St. Louis County (HW McDonnell Douglas Co., (Tract I)

STATE OF MISSOURI

Mel Carnahan, Governor • David A. Shorr, Director

### DEPARTMENT OF NATURAL RESOURCES

DIVISION OF ENVIRONMENTAL QUALITY-

St. Louis Regional Office

10805 Sunset Office Drive, Suite 100 St. Louis, MO 63127-1017

(314)822-0101

FAX (31+)822-0943

April 25, 1994

Mr. Joseph Haake, Group Manager Environmental and Hazardous Materials Services McDonnell Douglas Corporation Mail Code 1111041 P.O. Box 516 St. Louis, MO 63166

Dear Mr. Haake:

L.O.W. #94-SL.028

Enclosed is a report of an inspection conducted by Mr. Joe Trunko of my staff. The section titled "UNSATISFACTORY FEATURES" lists violations noted during the inspection and outlines steps the inspector has determined will correct those violations.

We have received your company's April 14, 1994, response to Notice of Violation (NOV) #3331. This NOV was issued as a result of violations noted during the inspection. A review of the company's response indicates that the proper actions have been taken to correct Unsatisfactory Features #1, 2, 3, 5, and 6 (as notated in the report).

In your response to Unsatisfactory Feature #4, ensure that an application for Resource Recovery Certification for the waste oil filtration unit is submitted to the Hazardous Waste Program by May 10, 1994. A copy of the application should also be sent to the attention of Mr. Joe Trunko of this office.

Your cooperation in this matter is appreciated. Should you have any questions, please call Mr. Joe Trunko at (314) 822-0101.

Sincerely,

LOUIS REGIONAL OFFICE

Robert S. P. Eck

Regional Director

RSPE/JLT/1v

Enclosures

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RESOURCE CONSERVATION AND RECOVERY ACT AND MISSOURI HAZARDOUS WASTE MANAGEMENT LAW COMPLIANCE EVALUATION INSPECTION REPORT

### **FACILITY**

McDonnell Douglas Corporation Tract I P.O. Box 516 St. Louis, MO 63166 (314) 232-3319 EPA ID #: MOD000818963

MO Generator ID #: 001001

Permit #: OSO 062284 002

Resource Recovery #: 0268-A

MO Transporter ID #: H-1039

### **PARTICIPANTS**

Missouri Department of Natural Resources (MDNR)

Joseph L. Trunko
Julie Watral
Vicki Smith
Environmental Specialists

McDonnell Douglas Corporation

Joseph Haake, Group Manager Environmental & Hazardous Materials Services

Charlie Kutterer Environmental & Hazardous Materials Services

#### INTRODUCTION

On March 22 and 23, 1994, an inspection was conducted at McDonnell Douglas Corporation-Tract I (MCDC) located in St. Louis County. The inspection was conducted under the authority of the Resource Conservation and Recovery Act (RCRA) of 1976 and Sections 260.375(9) and 260.377 of the Missouri Hazardous Waste Management Law (1977) as amended. The inspection was confined to facets of the facility operation related to hazardous waste management.

An inspection was conducted at MCDC on June 10 and 11, 1993. Overall operations and waste handling practices at the facility have not been significantly changed since that inspection.

Storage Permit #OSO 062284 002, issued to MCDC on March 22, 1984, expires on June 22, 1994. A renewal application has been submitted to the Department.

#### FACILITY DESCRIPTION

MCDC is a manufacturer of military aircraft. Operations at the facility include chemical processing (conversion coating, etching, pickling, and electroplating) machining of parts, composite manufacturing, parts degreasing and painting, aircraft

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assembly and painting, aircraft testing (flight ramps), industrial wastewater pretreatment, and a boiler house.

MCDC operates 5 days per week, 24 hours per day, 3 shifts per day. The largest shift (shift 1) consists of approximately 6,733 employees. A site map of the facility is attached.

MCDC is a large quantity generator of hazardous waste. Numerous waste streams are generated. However, the largest waste streams include emulsified cutting oil, paint solids, solvent and paint waste, wastewater treatment sludge and acid, and caustic waste.

MCDC is permitted to store hazardous waste for greater than 90 days. Waste generated from on site as well as waste from off-site facilities is stored. Only waste from MCDC facilities is accepted from off site. Hazardous waste is transported to Tract I by MCDC (Missouri Transporter ID #H-1039). A Generator's Hazardous Waste Summary Report and Facility Quarterly Summary Report for the quarter ending December 31, 1993, are attached.

MCDC stores on-site generated waste (drum related) at three less-than-90-day storage areas. These areas are located on the east side of Building 2, at Building 48, and at Building 51. Waste solvents, paints, and oils are accumulated in drums at numerous satellite locations (mainly in Buildings 27, 29A, 220, 2, 42, and 48). When full, these containers are transferred to one of the less-than-90-day storage areas or directly to the permitted storage area. Waste oils generated in the general flight ramp area are stored at a separate storage shed located north of Building 40.

Paint solids are accumulated in red, two cubic yard dumpsters, located throughout the facility (mainly in Buildings 27, 220, 29, 2, 45, and 48). When full, these dumpsters are emptied into two rolloff dumpsters/compactors located at the north side of Building 27 and the north side of Building 48 respectively. These dumpsters are transported by Peoria Disposal Company to an off-site hazardous waste facility approximately once every two weeks.

Rags that are used to wipe-up solvents and paint are placed in 5-, 10-, 15-, and 30-gallon red trash cans located at the immediate work areas. At the end of each day, these cans are emptied into the nearest two-yard dumpster.

Wastewater pretreatment sludge (F006/F019) is accumulated in a 15 cubic yard rolloff container that is located underneath the centrifuge in Building 14. This waste is shipped directly off site by Heritage Transport, Inc.

MCDC currently stores hazardous waste for greater than 90 days in the following unit:

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Building 27 Scrap Dock Container Storage Area - Containers from off site and from the on-site, less-than-90-day storage areas are stored at this area. Acids, alkalis, oils, solvents, and paint sludges are stored in Area 1. Cyanides and sulfides are stored in Area 2. Area 2 was replaced by a prefabricated storage building in 1989.

MCDC has submitted modifications requesting the removal of the storage tanks from the permit. A detailed description of these tanks was included in the previous inspection report (dated June 30, 1993). The current status of these tanks is as follows:

Building 14 Sludge Holding Tank - MCDC submitted a request to remove this tank from permit status based on the wastewater treatment exemption. The tank must still be closed in accordance with the closure plan. Soil samples are scheduled to be collected from underneath the tank.

Building 52 Caustic Tanks (H19, H20) - A sampling plan for closure of the containment area was submitted to the Department on July 28, 1993. MCDC has completed the sampling and is currently reviewing the sample results in order to determine if remedial action will be required.

Building 52 Acid Tanks (H12-H16) - Same as the Building 52 Caustic Tanks.

Hush House Waste Tank - Groundwater remediation is ongoing. Closure will not be certified until the cleanup levels specified by the Department (letter dated May 27, 1993) are achieved. Waste jet fuel generated in this area is currently being run through an oil water separator.

Fuel Pit #3 and #4 Waste Tanks - Same as the Hush House Waste Tank.

Building 28 Waste Tank - A sampling plan for closure of the tank was submitted to the Department on July 28, 1993. Sampling has been completed and has shown no contamination. A request for closure certification will be submitted to the Department.

Ramp Station 1 and 2 Waste Tank - Tank has been removed. Ground-water remediation is ongoing. Waste jet fuel generated in this area is currently being run through an oil water separator.

Building 10 Explosives Storage Building - A sampling plan for closure of the building was submitted to the Department on July 28, 1993. Sampling has been completed and has shown no contamination. A request for closure certification will be submitted to the Department.

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The following units have been certified closed and are no longer part of the permit:

Building 52 Acid Tanks (H1-H6)

Building 6 Waste Oil Tank

F-18 Silencer Waste Tank

Building 27 Scrap Dock Container Storage Area 2 (original area 2)

Waste jet fuel that is generated at this facility is burned as a fuel in the facility's boilers. As a result, the jet fuel is not considered a solid waste.

MCDC has a Resource Recovery Certification (expires August 20, 1994) for the following operations:

Distillation of spent Methyl Ethyl Ketone and Methyl Isobutyl Ketone. Stills are located at the paint areas in Buildings 27 (currently inactive) and 48, respectively. Still bottoms are collected in 55-gallon drums and are disposed of as hazardous waste.

The recovery of perchloroethylene by steam stripping carbon adsorption beds. This process is located in Building 51. Prior to chemical milling, a maskant coating that contains perchloroethylene is applied to metal parts. As the parts dry, the perchloroethylene evaporates, is collected, and is run through a carbon adsorption unit. The perchloroethylene is stripped from the carbon beds with steam and is collected for reuse as an ingredient in new maskant production.

An operating record for the perchloroethylene recovery is attached.

Solid waste generated at the facility is hauled by MCDC to the Westlake Sanitary Landfill or the Browning Ferris Industries MOPASS Sanitary Landfill. Burnable solid waste is collected in brown, 2 cubic yard dumpsters and is burned in a permitted incinerator located at the MCDC Tract II facility.

MCDC has a NPDES Permit (MO-0004782) from the MDNR for the discharge of storm water and noncontact cooling water.

MCDC has been proactive in reducing the quantity of hazardous generated at this facility. Current waste minimization efforts include the following:

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The replacement of solvent vapor degreasers (Buildings 29 and 27) with aqueous degreasers.

The use of a citrus based solvent (DS 108).

The recycling of empty metal paint cans.

The ultrafiltration of waste oils to remove the water content (proposed).

The replacement of the centrifuge with a filter press (proposed).

The on-site neutralization of corrosives (proposed).

#### UNSATISFACTORY FEATURES

- Storage of hazardous waste for greater than 90 days, in 1. violation of 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a). The rolloff dumpster used to store the wastewater pretreatment sludge (F006/F019) at Building 14 was dated November 24, 1993. In addition, the 1000-gallon portable tank of Ferric Chloride waste being stored next to Building 52 was dated November 1, 1993. Large quantity generators may not store hazardous waste on site for greater than 90 days without a storage permit from the Department. MCDC is not permitted to store these wastes in the containers or at the locations noted above for greater than 90 days. MCDC must dispose of these wastes at a permitted hazardous waste facility. Documentation (copies of manifests) and/or written certification that this has been done must be submitted to the Department.
- 2. Open container of waste oil, in violation of 10 CSR 25-11.010(3)(C). A 55-gallon drum of waste oil with a open funnel inserted in the bung was observed in Building 42. All containers of waste oil that are 5 gallons or larger in size must be closed (or equipped with devices satisfying the requirement) except during those times when waste oil is being added to or removed from the containers.
- 3. Satellite containers of hazardous waste not marked and dated, in violation of 10 CSR 25-5.262(2)(C)3. MCDC accumulates waste rags and other solids in numerous 5-, 10-, 15-, and 30-gallon containers located throughout the facility. These containers are considered to be satellite accumulation containers (see attached letter dated November 10, 1993) and must be marked with the words "HAZARDOUS WASTE," or with other words that identify the contents of the containers, as well as with the beginning date of satellite storage.

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The two cubic yard dumpsters that the small containers are emptied into are considered to be less-than-90-day storage areas and must be marked with all the information specified in 40 CFR 262.32. MCDC had begun to try to mark all these dumpsters. Efforts must continue to ensure that these containers are properly marked.

- 4. The reclamation of waste oil on site without a Resource Recovery Certification, in violation of 10 CSR 25-9.020(1)(A)3. MCDC currently operates a mobile oil filtration/distillation unit in Building 29. The unit recycles oil that collects in the leak collection sumps associated with the hydraulic presses. After a review of the information about this unit that was submitted to the inspector on July 29, 1993, it was determined that this operation required a Resource Recovery Certification from the Department. MCDC has failed to modify RR0268-A to include this operation. RR0268-A expires on August 20, 1994. A modification request to add the oil filtration operation to the current certification must be submitted with the renewal application.
- 5. Facility Summary Reports not submitted, in violation of 10 CSR 25-9.020(3)(E)6 referencing 10 CSR 25-7.264(2)(E)3. MCDC currently submits Facility Summary Reports with relation to the facility's permitted storage activity. These reports have not included information pertaining to the facility's resource recovery activities (RR0268-A). MCDC must include this information on the Facility Summary Reports.
- 6. Failure to operate the facility in accordance with the terms and conditions of the permit, in violation of the Missouri Hazardous Waste Management Law Section 260.390(2). MCDC is permitted to store a maximum of 112 drums of corrosive waste and 224 drums of oil, solvent and paint related waste for greater than 90 days at the Building 27 Scrap Dock Container Storage Area. At the time of the inspection, 244 drums of oil, solvent, and paint related waste was being stored in the area. MCDC must remove the excess waste from this area and dispose of it at an off-site hazardous waste facility. Documentation (copies of manifests) and/or written certification that this has been done must be submitted to the Department.

MCDC has requested to increase the quantity of drums that may be stored in the Building 27 Scrap Dock Container Storage Area in the permit renewal application (168 drums of corrosive waste/280 drums of oil, solvent and paint related waste). As per Mr. Haake, the existing containment system

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for this area has the capacity to store greater than 10% of the proposed quantity.

PREPARED BY:

Joseph L. Trunko

Environmental Specialist II

APPROVED BY:

Mike Struckhoff

Unit Chief, Hazardous Waste

JLT/lv

**Attachments** 



# MISSOURI DEPARTMENT OF NATURAL RESOURCES HAZARDOUS WASTE PROGRAM LARGE QUANTITY GENERATOR INSPECTION RECORD AND CHECKLIST

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LQG-INS FOR FACILITIES THAT GENERATE/ACCUMULATE > 1000 Kg (2,200 lbs. or approximately, 5 drums) EPA I.D. NUMBER McDonnell Douglas Corporation - Tract I MODOODE18963 MO I.D. NUMBER P.O. Box 516, mail code 0368 - A 111 1041 001001 NUMBER OF EMPLOYEES YEARS AT SITE TELEPHONE NUMBER 6,733 (shift I) (314) 232 - 3319 St-Louis FACILITY REPRESENTATIVE(S). TITLE(S) Joe Hanke, Group Manager - Environmental DESCRIPTION OF THE FACILITY'S OPERATIONS AND PLANT. E Hazardous Matrials Services Included in Inspection Report WASTE STREAMS GENERATION **EPAID** DESCRIBE EACH WASTE STREAM GENERATED DISPOSITION NUMBER RATE INCLUDING THE PRODUCTION PROCESS 1. Numerous waste streams Oils, solvents, parent-related material, cerrosies 2. I waste water pretreatment studge (FCOB, FOIA) are largest wast st reams 3. 4. 5. CHECK ALL THAT APPLY (Specify if possible) □ POTW \_ NPDES Permit ☐ Lead/Acid Batteries ☐ Solid Waste Landfill ☐ H.W. Burner/Blender/Marketer Septic Tank Waste Water Pretreatment Air Permit Precious Metal Reclamation PAGE 1 OF 7 MO 780-0854 (7-92)

X		•		
A.	GE	NERAL		
1.		Registered as a HW Generator - Section 260.380.1 (1) RSMo and 10 CSR 25-5.262 (2)(A)	GGR	COMMENTS
2.	Ø	Facility determines if waste is hazardous - 10 CSR 25-5.262(1) incorporating 40 CFR 262.11	GGR	
3.	3	Utilizes a licensed hazardous waste transporter - Section 260.380.1 (5) RSMo	GGR	
		Utilizes authorized HW TSD or RR facility - Section 260.380.1(7) RSMo	GGR	
5.	. 1		GGR	
		PART 1: WALK-THROUG	aH INS	SPECTION
В	-	ETRANSPORT, CONTAINERIZATION & STORAGE		COMMENTS
1.	$\overline{}$	Storage does not exceed 90 days or 180/270 days if facility generates < 1000 Kg/month - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)	GPT	COMMENTS
2	. 🗷	Containers in good condition - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.171	GPT	
3	्र	Waste compatible with container - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.172	GPT	
4	. 🗷	Containers closed in storage - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.173(a)	GPT	
5	. []	Containers storing incompatible waste separated or protected from each other by a dike, berm or wall - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.177(c)	GPT	
6	. []	Container storage areas have a containment system if holding more than 1000 Kg of liquid hazardous waste - 10 CSR 25-5.262 (2)(C)2.B.(I)	GOR	
7		Base of containment system is imprevious and free of cracks or gaps - 10 CSR 25-5.262 (2)(C)2.B.(III)(a).	GOR	
8	s. []	Containers protected from contact with accumulated liquids - 10 CSR 25-5.262(2)(C)2.B.(III)(b).	GOR	
9	. [	Capacity of containment system = 10% of waste volume or volume of largest container, whichever is greater - 10 CSR 25-5.262(2)(C)2.B.(III)(c).	GOR	
10	). <b>1</b>	Run-on onto the containment system is prevented or excess capacity is provided - 10 CSR 25-5.262(2)(C)2.B.(III)(d).	GOR	
11	1. 🖸	Accumulated liquids removed to prevent overflow of containment - 10 CSR 25-5.262(2)(C)2.B.(III)(e).	GOR	
12	2. 🗹	Containers of ignitable or reactive waste stored >50 ft. from property line (or meet requirements) - 10 CSR 25-5.262(2)(C)5. referencing 40 CFR 265.176 as amended by 10 CSR 25-7.265(2)(I)7.and 8.	GPT	
13	3. 🗷	Containers clearly marked "hazardous waste" - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(3)	GPT	
14	4. 🗀	Waste packaged/labeled/marked per DOT during entire on-site storage period - 10 CSR 25-5.262(2)(C)1.	GOR	
1	5. 🖸	Date of accumulation marked on containers - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(2)	GPT	
1	6. C	Facility inspected and maintained (weekly) - 10 CSR 25-5.262(2)(C)2.A.(I) and (II) referencing 40 CFR 265.174	GPT	
1	7. 🖺	Daily inspection of areas subject to spills, i.e., waste handling areas - 10 CSR 25-5.262(2)(C)2.A.(II)	GOR	
1	8. Œ	Adequate aisle space is available - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.35	GPT	Ø+
1	9. 🖸	Placards available for transporter - 10 CSR 25-5.262(1) incorporating 40 CFR 262.33	GPT	
2	0. C	"No Smoking" signs conspicuously placed by ignitable or reactive wastes - 10 CSR 25-5.262(2)(C)2.D(II)	GOR	
2	11(	Waste oil containers in good condition, labeled and closed - 10 CSR 25-11.010(3)(C)	GOR	
K	C.	SATELLITE ACCUMULATION		
	1. 🖸	Containers kept closed - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(c)(1)(i) referencing 40 CFR 265.173(a)	GPT	COMMENTS

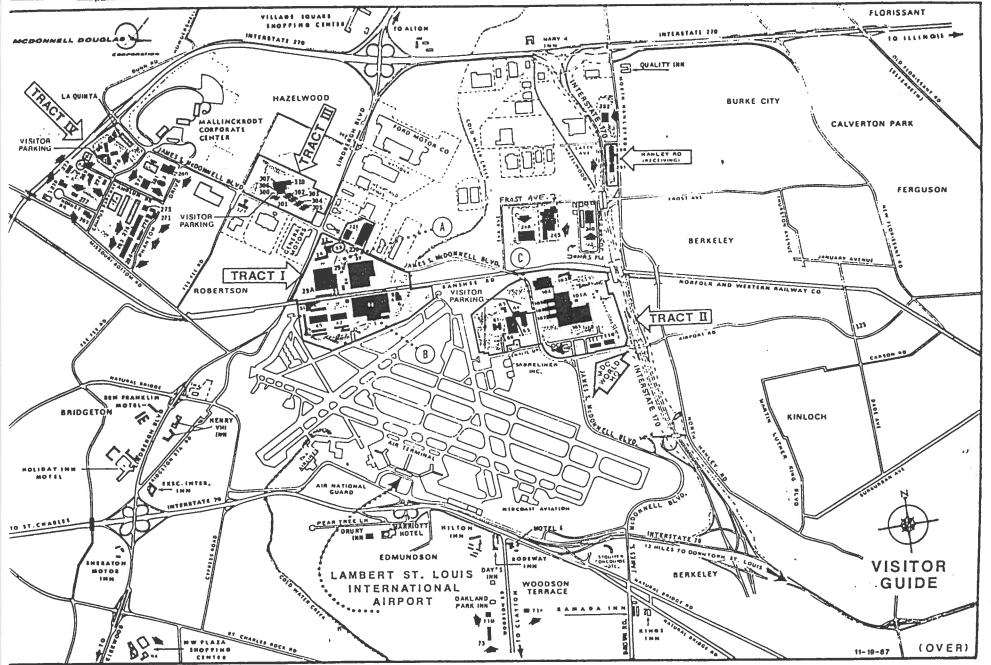
;	a)					
2. [	Containers In good condition QFR 262.34(c)(1)(i) referencing		corporating 40	GPT	COMMENTS	
3. [	Waste compatible with contain 40 CFR 262.34(c)(1)(i) reference	ner - 10 CSR 25-5.262(1)	incorporating	GPT		
4. [	4. Quantities accumulated not exceeding 55 gal. (1 quart of acutely-hazardous wastes) - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(c)(1)  5. Satellite containers go to storage within 3 days of filling - 10 CSR			GPĮ		
5.	Satellite containers go to store 25-5.262(1) incorporating 40 C		ling - 10 CSR	GPT		
6	Container marked identifying (5.262(2)(C)3.	contents & beginning date	e - 10 CSR 25-	GOR		
7. [		-		GOR		
D.	PREPAREDNESS AND PREV	ENTION AND EMERG	ENCY PROC	DURES		
1.	Facility operated and mainta emergency - 10 CSR 25-5.267 referencing 40 CFR 265.31	ined to minimize the po 2(1) incorporating 40 CF	R 262.34(a)(4)	GPT	COMMENTS	
2.	Adequate and proper spill equipment available (fire blank - 10 CSR 25-5.262 (2)(C)2.E.	control, decontaminatio tets, respirators, SCBA, ab	on and safety osorbents, etc.)	GPT		
3.	Adequate water supply and fire incorporating 40 CFR 262.34(a			GPT		
4.	Device in the hazardous waste emergency assistance - 40 CFR 262.34(a)(4) referencing	10 CSR 25-5.262(1) i	of summoning incorporating	GPT		
5.	Telephone or two-way radio of fire or police department 40 CFR 262.34(a)(4) referencing	- 10 CSR 25-5.262(1)	mmoning local incorporating	GPT		
6.	Communication and emerger 10 CSR 25-5.262(1) incorpora	ncy equipment tested and	d maintained - referencing 40	GPT		
1	OFD 005 00			1 6		
E	CFR 265.33					اري دو. پارې
E.	CFR 265.33 LQG TANKS TANK DESIGNATION	CONTENTS	CAPAC	ITY	CONTAINMENT	AGE
E.	LQG TANKS	CONTENTS	CAPAC	ITY	CONTAINMENT	AGE
	TANK DESIGNATION				CONTAINMENT	AGE
1.	TANK DESIGNATION  Modification has t	seen submitted t	c renar	Curren		AGE
1.	TANK DESIGNATION  Modification has t	een submitted t	c renar	current is i	thy permitted tanks	AGE
1.	TANK DESIGNATION  Modification has t	een submitted t	e remove	current is i	thy permitted tanks	AGE
1. 2. 3. 4.	TANK DESIGNATION  Modification has t	lace and operating e.g. ch	the existing	current is is	thy permitted tanks	AGE
1. 2. 3. 4. 5.	TANK DESIGNATION  Modification has torage p  Spill prevention controls in pi discount couplings - 10 C	lace and operating e.g. ch SR 25-5.262(1) incorpor FR 265.194(b)(1) in place and operating t, etc 10 CSR 25-5.262(1	the existing the existing 40 CFR	currente is of	ally permitted tanks  comently wet being stored  wks.	AGE
1. 2. 3. 4. 5.	Spill prevention controls in pidiscount couplings - 10 C 262.34(a)(1) referencing 40 C Overfill prevention controls alarms, automatic feed cutoff	lace and operating e.g. ch SR 25-5.262(1) incorporating FR 265.194(b)(1) in place and operating I, etc 10 CSR 25-5.262(1) ing 40 CFR 265.194(b)(2) vered tanks to prevent of	neck valves, dry rating 40 CFR : e.g. high level) incorporating vertopping - 10	CUTTER is is	ally permitted tanks  comently wet being stored  wks.	AGE
1. 2. 3. 4. 5.	Spill prevention controls in prevention couplings - 10 C 262.34(a)(1) referencing 40 CFR 262.34(a)(1) reference Sufficient freeboard in unco CSR 25-5.262(1) incorpora	lace and operating e.g. ches 25-5.262(1) incorport FR 265.194(b)(1) in place and operating letc 10 CSR 25-5.262(1) ing 40 CFR 265.194(b)(2) vered tanks to prevent outing 40 CFR 262.34(a)(1) compatible with tank - 10 CSR 262.34(a)(1)	neck valves, dry rating 40 CFR e.g. high level) incorporating vertopping - 10 (1) referencing	CUTTER 15 GPT GPT	ally permitted tanks  comently wet being stored  wks.	AGE
1. 2. 3. 4. 5. 1.	Spill prevention controls in p discount couplings - 10 C 262.34(a)(1) referencing 40 C FR 262.34(a)(1) reference Sufficient freeboard in unco CSR 25-5.262(1) incorpora 40 CFR 265.194(b)(3)  Waste or treatment method c incorporating 40 CFR 262.34  Incompatible wastes not pla incorporating 40 CFR 262.34	lace and operating e.g. ch SR 25-5.262(1) incorporating etc 10 CSR 25-5.262(1) in place and operating etc 10 CSR 25-5.262(1) ing 40 CFR 265.194(b)(2) etc 10 CFR 262.34(a)(1) referencing 40 CFR 262.34(a)(1) referen	neck valves, dry rating 40 CFR: e.g. high level) incorporating vertopping - 10 (1) referencing CSR 25-5.262(1, 265.194(a) CSR 25-5.262(1, 265.199(a)	GPT GPT GPT	ally permitted tanks  comently wet being stored  wks.	AGE
1. 2. 3. 4. 5. 5. 6.	Spill prevention controls in ple discount couplings - 10 C 262.34(a)(1) referencing 40 C CFR 262.34(a)(1) reference CSR 25-5.262(1) incorporating 40 CFR 262.34(b)(3)  Waste or treatment method c incorporating 40 CFR 262.34  Incompatible wastes not pla	lace and operating e.g. ch SR 25-5.262(1) incorporating 40 CFR 265.194(b)(1) in place and operating 40 CFR 265.194(b)(2) vered tanks to prevent outing 40 CFR 262.34(a)(1) referencing 40 CFR 262.34(a)(1) referencing 40 CFR aced in same tank - 10 C(a)(a)(a)(a)(a)(a)(a)(a)(a)(a)(a)(a)(a)(	e.g. high level) incorporating vertopping - 10(1) referencing constitution (265.194(a)) CSR 25-5.262(1) (265.199(a)) from sources operating 40 CFF	GPT GPT GPT GPT	ally permitted tanks  comently wet being stored  wks.	AGE

	Volatiles with vapor pressure > 78 mm @ 25 C not placed in open tanks - 10 CSR 25-5.262(2)(C)2.D.(I)	GOR	COMMENTS
9. 🛮	Wastes and residues removed as hazardous waste and tank and equipment decontaminated upon closure - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.197(a)	GPT	
10. <b>3</b>	Secondary containment system provided for tanks and equipment; installed after July 14, 1986; storing dioxin waste; over 15 years old; of unknown age in facility over 15 years old; repaired, replaced or reinstalled after July 14, 1986 - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.193(a)	GPT	
11. 🖸	Secondary containment system constructed of or lined with impervious waste compatible material - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.193(c)(1)	GPT	
12. 🖸	Containment system supported by base capable of preventing failure due to settlement, compression or uplift - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.193(c)(2)	GPT	
13. 🖸	Containment system provided with a leak detection system capable of detecting a release within 24 hours - 10 CSR 25-5.262(1) incorporating 40 CFR 262 34(a)(1) referencing 40 CFR 265.193(c)(3)	GPT	
14. 🖸	Containment system sloped or designed to drain and remove liquids - 10 CSR 25-5.262(2)(C)2.C. referencing 10 CSR 25-5.262(2)(C)2.B. (III)(b)	GOR	
15. 🖸	Containment system capable of containing 100% of the capacity of the largest tank - 10 CSR 25-5.262(2)(C)2.C. referencing 10 CSR 25-5.262(2)(C)2.B.(III)(c)	GOR	
16. 🖸	Containment system free of cracks or gaps - 10 CSR 25-5.262(2)(C)2.C. referencing 10 CSR 25-5.262(2)(C)2.B. (III)(a)	GOR	
17. 🛮	Run-on onto containment system prevented or excess capacity is provided - 10 CSR 25-5.262(2)(C)2.C. referencing 10 CSR 25-5.262(2)(C)2.B.(III)(d)	GOR	ú.
18. 🗖	Spilled or leaked waste and precipitation removed from secondary containment within 24 hours or as soon as possible - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.193(c)(4)	GPT	
19. 🖸	Tanks are clearly labeled or marked "Hazardous Waste" - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(3)	GPT	
20.	Daily inspections of overfill/spill control equipment, aboveground portions of tank system, secondary containment, and data gathered from monitoring equipment - 10 CSR 25-5.262(1) incorporating 40 CFF 262.34(a)(1) referencing 40 CFR 265.195(a)	GPT	
21.	Inspection log maintained - 10 CSR 25-5.262(1) incorporating 40 CFF 262.34(a)(1) referencing 40 CFR 265.195(c)	GPT	
22.	Cathodic protection systems inspected annually, impressed curren sources every two months - 10 CSR 25-5.262(1) incorporating 40 CFF 262.34(a)(1) referencing 40 CFR 265.195(b)		
23. 🕻	Detailed written assessment by an independent, qualified, professional engineer for tanks installed after July 14, 1986, prepared and on-site 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.192	- GPT	e e
24. [	prepared and on-site for tanks lacking secondary containment 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 4 CFR 265.191	GPT	
25. C	and documented, by an independent, qualified, professional engineer for tanks lacking secondary containment - 10 CSR 25-5.262(1 incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.193(i)	GPT	
26.	Leak/spill response resulted in: waste flow stopped immediately; wast removal; containment and removal of visible releases to the environment; notification and report; and repair or closure - 10 CS 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.19	e GPT R	

	PART 2: RECORDS IN	ISPEC	TION
F. MANIFESTS			A STATE OF THE STA
1. Facility uses manifest system - 260.380.1.(6) 5.262(2)(B)	RSMo, and 10 CSR 25-	GMR	COMMENTS
<ol> <li>Records maintained for a 3-year period incorporating 40 CFR 262.40(a)</li> </ol>	10 CSR 25-5.262(1)	GRR	
3. Generator's MO & EPA I.D. Numbers - 10 CSF	R 25-5.262(2)(B)	GOR	
4. Manifest document, ID and consecutive ship 25-5.262(2)(B)2.A.	ment numbers - 10 CSR	GOR	
<ol> <li>Generator's name, address and phone in 5.262(2)(B)2.</li> </ol>	number - 10 CSR 25-	GMR	
6. All transporters' names, phone numbers, MC plate # - 10 CSR 25-5.262(2)(B)2.	O & EPA I.D.#'s, license	GMR	
7. Designated facility name, address, phone, MO 25-5.262(2)(B)2.	O & EPA I.D. #, - 10 CSR	GMR	
8. OOT shipping name, Hazard Class and waste 10 CSR 25-5.262(2)(B)2.	e I.D. # (RQ - if required)	GMR	
9. Containers, quantity and specific gravity de 5.262(2)(B)2.	esignated - 10 CSR 25-	GMR	
10. Manifest signed and dated - 10 CSR 25-5.262	(2)(B)2.	GMR	
11. Out of state manifests have all required Mo 25-5.262(2)(B)4.A.	O information - 10 CSR	GOR	
12. Manifest continuation sheets are not used - 1	0 CSR 25-5.262(2)(B)1.	GOR	
13. Manifest returned within 35 days - or exceptio 45 days - 10 CSR 25-5.262(2)(D)2.C.	n report submitted within	GRR	
14. Summary Manifest Reports and manifest cop	ies sent to DNR quarterly		
- 10 CSR 25-5.262(2)(D)1.		GOR	
		GOR	
- 10 CSR 25-5.262(2)(D)1.	o determine If the waste	GOR GLB	COMMENTS
- 10 CSR 25-5.262(2)(D)1.  G. LAND DISPOSAL RESTRICTIONS  1. Tests waste or uses knowledge of waste to is restricted from land disposal - 10 CSR 2	o determine If the waste 25-7.268(1) incorporating andards is not occurring		COMMENTS
- 10 CSR 25-5.262(2)(D)1.  G. LAND DISPOSAL RESTRICTIONS  1. Tests waste or uses knowledge of waste to is restricted from land disposal - 10 CSR 2 40 CFR 268.7(a)  2. Dilution of waste to meet LDR treatment st - 10 CSR 25-7.268(1) incorporating 40 CFR 2  3. Land-Ban notification/certification, sent with on-site for five years - 10 CSR 25-7.268(1) inco	andards is not occurring 68.3(a) th manifests and retained reporating 40 CFR 268.7(a)	GLB	COMMENTS
- 10 CSR 25-5.262(2)(D)1.  G. LAND DISPOSAL RESTRICTIONS  1. Tests waste or uses knowledge of waste to is restricted from land disposal - 10 CSR 2 40 CFR 268.7(a)  2. Dilution of waste to meet LDR treatment st - 10 CSR 25-7.268(1) incorporating 40 CFR 2	andards Is not occurring 68.3(a) th manifests and retained orporating 40 CFR 268.7(a) EPA Hazardous Wastes, manifest number, and	GLB GLB	COMMENTS
- 10 CSR 25-5.262(2)(D)1.  G. LAND DISPOSAL RESTRICTIONS  1. Tests waste or uses knowledge of waste to is restricted from land disposal - 10 CSR 2 40 CFR 268.7(a)  2. Dilution of waste to meet LDR treatment st 10 CSR 25-7.268(1) incorporating 40 CFR 2  3. Land-Ban notification/certification, sent wi on-site for five years - 10 CSR 25-7.268(1) inco  4. Notification/certification includes correct number, corresponding treatment standard	o determine If the waste 25-7.268(1) incorporating andards Is not occurring 68.3(a) th manifests and retained reporating 40 CFR 268.7(a) EPA Hazardous Wastes, manifest number, and reporating 40 CFR 268.7(a) enerator treats hazardous treatment standards - 10	GLB GLB GLB	COMMENTS
- 10 CSR 25-5.262(2)(D)1.  G. LAND DISPOSAL RESTRICTIONS  1. Tests waste or uses knowledge of waste to is restricted from land disposal - 10 CSR 2 40 CFR 268.7(a)  2. Dilution of waste to meet LDR treatment st 10 CSR 25-7.268(1) incorporating 40 CFR 2  3. "Land-Ban" notification/certification, sent wi on-site for five years - 10 CSR 25-7.268(1) inco  4. Notification/certification includes correct number, corresponding treatment standard waste analysis data - 10 CSR 25-7.268(1) inco  5. Waste analysis plan on-site and utilized if ge waste in tanks or containers to meet LDR	o determine If the waste 25-7.268(1) incorporating andards Is not occurring 68.3(a) th manifests and retained reporating 40 CFR 268.7(a) EPA Hazardous Wastes, manifest number, and reporating 40 CFR 268.7(a) enerator treats hazardous treatment standards - 10	GLB GLB GLB	
- 10 CSR 25-5.262(2)(D)1.  G. LAND DISPOSAL RESTRICTIONS  1. Tests waste or uses knowledge of waste to is restricted from land disposal - 10 CSR 2 40 CFR 268.7(a)  2. Dilution of waste to meet LDR treatment st - 10 CSR 25-7.268(1) incorporating 40 CFR 2  3. "Land-Baŋ" notification/certification, sent wi on-site for five years - 10 CSR 25-7.268(1) inco  4. Notification/certification includes correct number, corresponding treatment standard waste analysis data - 10 CSR 25-7.268(1) inco  5. Waste analysis plan on-site and utilized if ge waste in tanks or containers to meet LDR CSR 25-7.268(1) incorporating 40 CFR 268.7	andards Is not occurring 68.3(a) th manifests and retained reporating 40 CFR 268.7(a) EPA Hazardous Waste s, manifest number, and reporating 40 CFR 268.7(a) enerator treats hazardous treatment standards - 10 (a)(4) encies including the use and contingency plan - 10	GLB GLB GLB	COMMENTS Training plan has been recently
- 10 CSR 25-5.262(2)(D)1.  G. LAND DISPOSAL RESTRICTIONS  1. Tests waste or uses knowledge of waste to is restricted from land disposal - 10 CSR 2 40 CFR 268.7(a)  2. Dilution of waste to meet LDR treatment st - 10 CSR 25-7.268(1) incorporating 40 CFR 2  3. "Land-Bag" notification/certification, sent wi on-site for five years - 10 CSR 25-7.268(1) inco  4. Notification/certification includes correct number, corresponding treatment standard waste analysis data - 10 CSR 25-7.268(1) inco  5. Waste analysis plan on-site and utilized if ge waste in tanks or containers to meet LDR CSR 25-7.268(1) incorporating 40 CFR 268.7  H. PERSONNEL TRAINING  1. Personnel are trained to respond to emerg of alarm systems, emergency equipment ar CSR 25-5.262(1) incorporating 40 CFR 262.34 265.16(a)(3).  2. Employees do not work in unsupervised completed the training - 10 CSR 25-5.262(	o determine If the waste 25-7.268(1) incorporating andards is not occurring 68.3(a) th manifests and retained reporating 40 CFR 268.7(a) EPA Hazardous Wastes, manifest number, and retained 40 CFR 268.7(a) enerator treats hazardous treatment standards - 10 (a)(4) energial including the use and contingency plan - 10 4(a)(4) referencing 40 CFR	GLB GLB GLB GLB	COMMENTS
- 10 CSR 25-5.262(2)(D)1.  G. LAND DISPOSAL RESTRICTIONS  1. ☐ Tests waste or uses knowledge of waste to is restricted from land disposal - 10 CSR 2 40 CFR 268.7(a)  2. ☐ Dilution of waste to meet LDR treatment st 10 CSR 25-7.268(1) incorporating 40 CFR 2  3. ☐ "Land-Baŋ" notification/certification, sent wi on-site for five years - 10 CSR 25-7.268(1) inco  4. ☐ Notification/certification includes correct number, corresponding treatment standard waste analysis data - 10 CSR 25-7.268(1) inco  5. ☐ Waste analysis plan on-site and utilized if ge waste in tanks or containers to meet LDR CSR 25-7.268(1) incorporating 40 CFR 268.7  H. PERSONNEL TRAINING  1. ☐ Personnel are trained to respond to emerg of alarm systems, emergency equipment are CSR 25-5.262(1) incorporating 40 CFR 262.34(265.16(a)(3).  2. ☐ Employees do not work in unsupervised properties of the training - 10 CSR 25-5.262(262.34(a)(4) referencing 40 CFR 265.16(b)  3. ☐ Training reviewed annually - 10 CSR 25-5.262(262.34(a)(4) referencing 40 CFR 265.16(b)	condetermine If the waste 25-7.268(1) incorporating andards is not occurring 68.3(a) the manifests and retained reporating 40 CFR 268.7(a) EPA Hazardous Wastes, manifest number, and reporating 40 CFR 268.7(a) enerator treats hazardous treatment standards - 10 (a)(4) encies including the use and contingency plan - 10 4(a)(4) referencing 40 CFR positions until they have (1) incorporating 40 CFR	GLB GLB GLB GLB	COMMENTS Training plan has been recently
- 10 CSR 25-5.262(2)(D)1.  G. LAND DISPOSAL RESTRICTIONS  1. Tests waste or uses knowledge of waste to is restricted from land disposal - 10 CSR 2 40 CFR 268.7(a)  2. Dilution of waste to meet LDR treatment st - 10 CSR 25-7.268(1) incorporating 40 CFR 2  3. "Land-Bag" notification/certification, sent wi on-site for five years - 10 CSR 25-7.268(1) inco  4. Notification/certification includes correct number, corresponding treatment standard waste analysis data - 10 CSR 25-7.268(1) inco  5. Waste analysis plan on-site and utilized if ge waste in tanks or containers to meet LDR CSR 25-7.268(1) incorporating 40 CFR 268.7  H. PERSONNEL TRAINING  1. Personnel are trained to respond to emerg of alarm systems, emergency equipment ar CSR 25-5.262(1) incorporating 40 CFR 262.34 265.16(a)(3).  2. Employees do not work in unsupervised completed the training - 10 CSR 25-5.262(262.34(a)(4) referencing 40 CFR 265.16(b)	o determine If the waste 25-7.268(1) incorporating andards Is not occurring 68.3(a) th manifests and retained reporating 40 CFR 268.7(a) EPA Hazardous Wastes, manifest number, and retained 40 CFR 268.7(a) enerator treats hazardous treatment standards - 10 (a)(4) encies including the use and contingency plan - 10 4(a)(4) referencing 40 CFR positions until they have (1) incorporating 40 CFR 2(1) incorporating 40 CFR emanagement procedures	GLB GLB GLB GLB GPT GPT	COMMENTS Training plan has been recently

٠.			
6. 🗹	Gives job title, job description and name of employee filling each position - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(d)(1) and (2)	GPT	COMMENTS
7. 🖸	Written description of introductory and continuing training that will	GPT	
8. 🗖	Documentation of training completed by personnel - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(d)(4)	GPT	
9. 🗖	Records of current personnel maintained until facility closure, former employee records maintained for at least three years - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(e)	GPT	
	NTINGENCY PLAN		AND THE EMPTON OF THE STATE OF
67	Contingency plan maintained on-site - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.53(a).	GPT	COMMENTS
	Plan submitted to local emergency response agencies - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.53(b)	GPT	Contingency plan has recently been updaked & submitted with premit renewal
	Emergency coordinator on-site or on call - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.55	GPT	1 Come on 1
4.	Plan describes actions personnel must take in response to fires, explosions or other releases of hazardous waste - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.52(a)	GPT	
5.	Describes arrangements with emergency response agencies - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.52(c)	GPT	
6.	Lists names, addresses and phone numbers (home and office) of emergency coordinators - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.52(d)	GPT	
7.	Primary emergency coordinator designated - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.52(d)	GPT	
8. [	List emergency equipment including description, location and capabilities - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.52(e)	GPT	
9. [	Evacuation plan, if applicable, designates primary and secondary routes and evacuation signal - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.52(f)	GPT	
-	ASTE OIL		t Transition
	Waste oil is managed properly and not disposed of into the environment - 10 CSR 25-11.010(1)(D).		COMMENTS
2. [	Listed hazardous waste mixed with waste oil is handled as a hazardous waste - 10 CSR 25-11.010(1)(C)2.		•
3. [	Registered as waste oil generator if gen./accum. 220 lb 10 CSR 25-11.010(2)(A)	-	
4. [	Written waste oil contract maintained - 10 CSR 25-11.010(4)(C)	GOR	
	Uses a licensed transorter and receiving facility - 10 CSR 25-11.010(4)	GOR	1 mg 7 mg
The second second	RESOURCE RECOVERY  RR certification for energy recovery or reclamation of waste oil or	GOR	COMMENTS
2. [	hazardous waste on-site - 10 CSR 25-9.020(1)(A)3.  Still bottoms or RR residues disposed of properly - Section 260.380.1(5)	GOR	
3. [	RSMo.  Facility is classified as U, R1 or R2 accurately - 10 CSR 25-9.020(3)(A)	GOR	
4. [	Facility meets the operating conditions of certification - 10 CSR 25-9.020(30)(E)3.	GOR	
5.	Facility has submitted a written request and received approval from the DNR for all changes in operation including closure - 10 CSF 25-9.020(3)(E) 1, and 2.	GOR	
MO 78	0-0854 (7-92)		LOG PAGE 6 OF

٠.			
	Facility report submitted to DNR quarterly - 10 CSR 25-9.020(3)(E)6. referencing 10 CSR 25-7.264(2)(E)3.	GOR	COMMENTS
7. 🕝	Facility maintains a written operating record - 10 CSR 25-9.020(3)(E)5. referencing 40 CFR 264.73(b)(1) & (2) as modified by 10 CSR 25-7.264(2)(E)2.	GOR	
8. 🗹	Facility has notified EPA and the state that it qualifies for a small quantity on-site burner exemption or has interim status or a permit if it burns hazardous waste on-site - 10 CSR 25-7.266(1) incorporating 40 CFR 266.108 and 40 CFR 266.103.	GOR	
9. 囝	R2 facility uses an adequate sampling and analysis plan to assess incoming shipments - 10 CSR 25-9.020(3)(C)1.	GOR	
10. 🗹	R2 facility maintains a daily log of manifest number, wastes received, disposition of waste and corresponding sampling data - 10 CSR 25-9.020(3)(C)2.		
11. 🗹	R2 facility has a written closure plan which meets 40 CFR 264.112 requirements - 10 CSR 25-9.020(3)(C)3.	GOR	
12. 🗹	R2 facility provides financial assurance for closure - 10 CSR 25-9.020(3)(C)4.	GOR	
CHEC	KLIST KEY		· · · · · · · · · · · · · · · · · · ·
Check	the if in compliance.		
Circle	the if not in compliance and provide comment.		
N/A =	Not Applicable		
A sha	ded item is a serious deviation from the requirements (Class i v	/iolatio	n)
An un	shaded item is a significant deviation from the requirements (C	Class II	violation unless conditions warrant Class I)
СОМИ	ENTS: INCLUDE DISCUSSION OF FACILITY'S WASTE MINIMIZATION P	LAN	
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	to the second se		
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INSPE	CTOR'S SIGNATURE		DATE LI _1 _9 U
MO 790 1	(15 mgl) de Deurlie	)	4-1-94 LOG PAGE 7 OF 7
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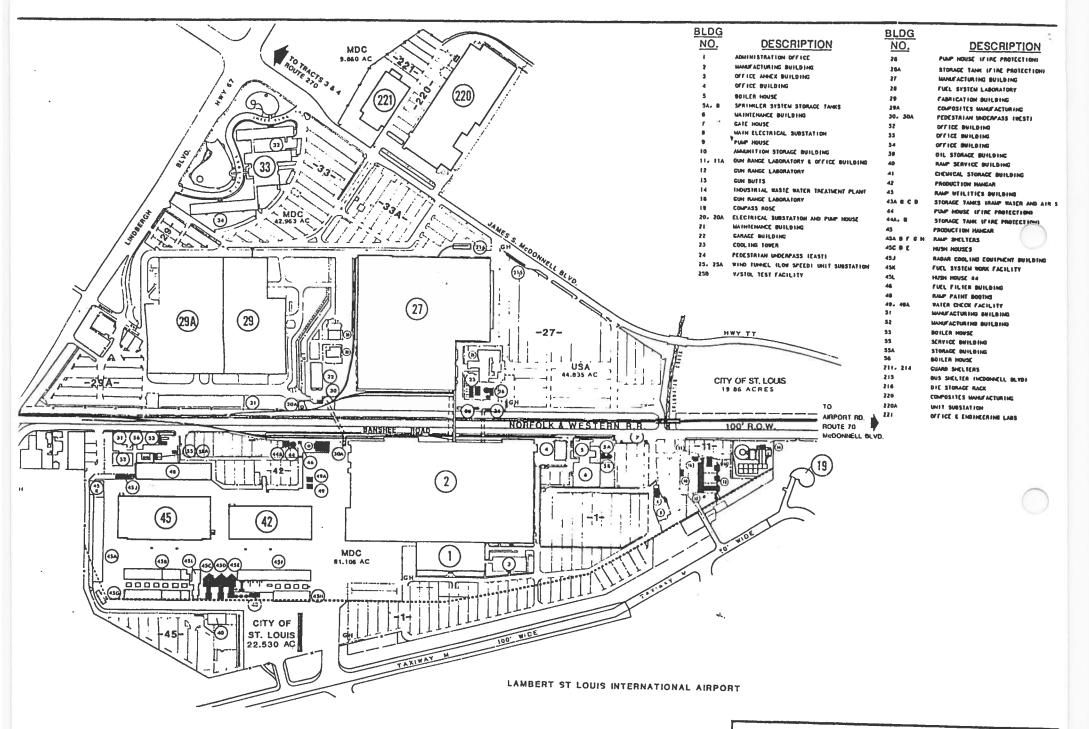


McDonnell Douglas Aerospace (Tract II)

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RR 0268-B (812, 101)





MISSOURI DEPARTMENT OF NATURAL RESOURCES HAZARDOUS WASTE PROGRAM P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102 (314) 751-3176

GENERATOR'S HAZARDOUS WASTE SUMMARY REPORT - PART I

MCDONNELL DOUGLAS CORPORATION TRACT I

JOE HAAKE CONTACT:

MCDONNELL & LINDBERGH BLVD. MO 63042 HAZELWOOD

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SEMERA": A SEPAID HUMBER	;	GENERA	104	SWI	550.	At L	D ML	38 11	R
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TETHE FEDERAL EPA AND MISSOURI GE	N E F	AIUNI	v	464	-061	- B-		~~	4.4.

DEPARTMENT IF THE ADDRESS FOR THE SITE OF GENERATION CHANGES PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE NOTE > SECTION A - REPORT IDENTIFICATION 3. PAGE FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR) 1. TYPE OF REPORT (CHECK ONE) X 12-31-93 (YEAR) 9-30- \_\_\_ (YEAR) 1 of 10 O QUARTERLY ANNUAL (IF ANNUAL CHECKED, PLACE X IN 6-30 BOX) 0-30- \_\_\_ (YEAR) 3-31- \_\_\_ (YEAR) SECTION B - GENERATOR IDENTIFICATION NOTE: Any change in either the mailing or site address from previous reports requires renotification to the Department. 4 GENERATOR S NAME & SAME AS LABEL MCDUNNELL DOUGLAS CURPURATION TELEPHONE NUMBER 5 GENERATOR CONTACT PERSON (NAVE) SAME AS LABEL 314-232-3319 JOE HAAKE STATE ZIP CODE CITY 6. MAILING ADDRESS 63166 MO ST. LOUIS P.O. BUX 516, MAIL CODE 1003377 ZIP CODE STATE CITY 7. PLANT SITE ADDRESS A SAME AS LABEL 63042 MO HAZELWOOD LINDBERGH & MCDONNELL BLVD. OFFICE USE ONLY A NAME OF PARENT FIRM MCDONNELL DOUGLAS CORPORATION SECTION C - STATUS OF WASTE GENERATED (CHECK ONE) REPORTABLE QUANTITY GENERATED BUT NOT SHIPPED REPORTABLE QUANTITY NOT GENERATED Sign SHIPPED OFF-SITE. Complete part 2, attach OFF-SITE THIS QUARTER Sign certification and transmit to cartification and transmit to the department. (Do not completed hazardous waste manifests, sign the department (Do not complete Part 2) complete Part 2) certification and transmit to the department. SECTION D - COMMENTS 12.

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3 <b>341(</b> 9)	NE-CERT	I IOUITO		

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. DATE

SIGNATURE

ROBERT H. KAATMAN



MISSOURI DEPARTMENT OF NATURAL RESOURCES HAZARDOUS WASTE PROGRAM P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102 (314) 751-3176 GENERATOR'S HAZARDOUS WASTE REPORT SUMMARY SHEET - PART II

BEFORE COPYING FORM, AND IDENTIFICATION NUM	ENTER THE GENERATOR'S NAME BERS AS SHOWN ON PART I.
GENERATOR NAME	
McDonnell Douglas	Corporation

EPA ID NUMBER

MISSOURITO NUMBER

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NOTE > PLEASE READ INSTRUCT	IONSA	AND EITH	IER PRINT	OR TY	PE					- 1. V.	- 31	rik'n	
ATTENTION: Summarize all shipmen	ls made	e to the	SECTION F	E III	(10)	T IDENTIF	CATION	(AS SHO	WNC	IN PAR	LU)		
Hazardous Waste Management Fac	ility yo	u have	9-30-				93 MEAF						
Identified in Section G below. Addition			3-31-				(YEAR			OF	10		
required for each off-site management f				•	•								
SECTION G - FACILITY IDENTIFICAT	IDN					<b>"福息是是</b>							
3. FACILITY NAME (NAME OF OFF-SITE LOCATION	ON WHEF	RE WASTE	WAS DELIVERE	D)			1)	4. FACILITY	rs epa	I.D. NUN	BER		
Heritage Environmental Servi	ices,	Inc.						I.N.D.	0.9.	3.2.1	9.0	1, (	2
5. FACILITY SITE ADDRESS							•	6. FACILITY	rs Mis	SOUBLL	ווא כ	MRF	
7901 West Morris Street			STATE		ZIP	CODE		Park Ave	, 0				
Indianapolis				IN		231			R• R• 1	0. N. J	3		
SECTION HE WASTE IDENTIFICATIO	N A												
7	1.		1	10.			11.		12.	13		14.	
DESCRIPTION OF WASTE	100	· EPA H	AZARDOUS	עו	- 1	10	TAL AMOUNT		UNT	SPECIFIC		INAL IDUNG	
SHIPPED TO THE FACILITY LISTED ABOVE	COOE	WAST	E NUMBER	COO	· 1	1	STEAM 10		WEAS.	GRAVITY	ľ	OOE	1
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surface cleaning Acid from cleaning/pick-			D·0·0·4		_		00,500		<u> </u>		-		
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Acid from cleaning/pick-	. 1	0.0.0.5	D·0·0·4	]					_				_
ling aluminum/titanium			D.0.0.8	A			435	<u> </u>	P	•	T	0	4
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hard coating Acid from stainless steel	0 4		2 D·0·0·7	A	$\dashv$		430	,			-	<u> </u>	7
pickling/plating	0 2			A	- 1		899	5	P		T ·	0 .	4
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Alkaline from derusting of metal parts	0 2			A			5,880	)	P		T.	0	4
SECTION I - TRANSPORTATION SER		UTILIZE	D										
15 COMPANY NAME				16	MISS	SOURI ID NO	17 US EPA I	NUMBER					
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Heritage Trans	port,	Inc.											
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SECTION J - COMMENTS								E 14 22 7	-		is.		•
18.													
TO4: Precipitation, neut	raliz	ation,	filtrati	on,	coa	gulation	, fixat	tion, a	nd				
discharge to POTW													



MISSOURI DEPARTMENT OF NATURAL RESOURCES HAZARDOUS WASTE PROGRAM P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102 (314) 751-3176 GENERATOR'S HAZARDOUS WASTE

BEFORE	COPYING	FORM,	ENTER	THE	GENER	ATCR'S	NAME
AND IDE	NTIFICATION	ON NUN	ABERS A	SSH	NO NWC	PART I.	

GENERATOR NAME

McDonnell Douglas Corporation

M.O.D.O.O.O.8.1.8.9.6.3

MISSOURI ID NUMBER \_\_\_

	REPORT SUMMARY SHEET - PART II MISSOURI TO NUMBER 0 .0 .1 .0 .0 .1												
0	TE PLEA	SE READ INSTRUCT	IONS	AND EITH	ER PRINT C	R TYPE							
ĭ	7.00	mmarize all shipmen	10.000	10.450	SECTION F	- REPO	RT IDENTI	FICATION (AS SHO	WN C	N PAR	TI)		
T.	TENTION: Sui	mmarize all shipmen	is mad	e to the					2. PAC	E			
la	zardous Wast	e Management Fac	ility y	ou nave	9-30	-		1- <u>93 (</u> YEAR)	3	_ OF _	0_		
je	ntified in Sect	ion G below. Additi	onal pa	ages are	3-31	(YEAR)	D 6-30	(YEAR)					
-		off-site management						The second secon					
E	CTION G-FAC	CILITY IDENTIFICAT	IDN					4. FACILITY	CO COA		1000		
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	Heritage E	nvironmental Se	rvice	s, Inc.				I ·и · D ·	0 •9 •3	3 ·2 ·1	9012		
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١		PEO TO THE	HAZARO		NUMBER	3000	] "	OF WASTE	OF WEAS.	GRAYITY	HANDLING		
١	FACILITY	LISTED ABOVE	3000			(SEE INST)			1				
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		Heritage Tran	ispor	t, Inc.			1 7 0 7	1 11 0 0 0 0					
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	neut	ralization, and	1 0150	marge t	U PUIM.			•					
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P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102 (314) 751-3176

GENERATOR'S HAZARDOUS WASTE DEPORT SHMMARY SHEET - PART II

BEFORE	COPYING	FORM,	ENTER	THE	GENERATOR'S	NAME
					OWN ON PART I.	

GENERATOR NAME

McDonnell Douglas Corporation

EPA ID NUMBER

M O, D, O, O, O, 8, 1, 8, 9, 6, 3

	REPORT SUMMARY SHEET - PART II MISSOURITO NUMBER 0.0.1.0.0.1													
10	TE PLEASE READ INSTRUC	TIONS	AND EITH	ER PRINT	OR TYPE									
ła de eq	TENTION: Summarize all shipmen zardous Waste Management Facentified in Section G below. Additionally and the section of the se	ility y onal p facility	ou have ages are utilized.	SECTION 5 1 FOR THE P 9-30-	(YEAR)	<b>2</b> 12-31	CATION  L FILL IN YE  93 (YEAR  (YEAR	<b>(</b> )		N PAR IE OF		Ĕ.		
}	CTION G-FACILITY IDENTIFICAT	ION WHE	RE WASTE	VAS DELIVERE	D)	4.60年 2.60		4. FACILITY	'S EPA	I.D. NUN	BER			
	Heritage Environmental Se	ervic	es, Inc.					I. N. D.	0. 9.	3.2.1	.9.0.	1.2		
F	7901 West Morris-Street					•	•	6. FACILITY	"S MIS	SOURI I.I	D. NUME	ER		
M	Indianapolis			STATE		46231				E . N . O	1000			
3	CTION H WASTE IDENTIFICATION	N.	1		. V.		Section.					!		
	OESCRIPTION OF WASTE SHIPPED TO THE FACILITY LISTED ABOVE	8. DOT HAZARD COOE		S ZARDOUS NUMBER	10. TAX COOE (SEE INST )	10	II. ITAL AMOUNT OF WASTE	•	UHIT OF MEAS.	SPECIFIC GRAVITY	14. Sina Handu Coo	L ING		
,	Alkaline sludge from various process tanks	0 2	0002		A		1,840		Р	•	т '0	<u>.</u> 4		
2	Coolant	·	002		Α		4,785		Р	:	Τ '0	· 4		
3	Sulfuric acid with iron/ nickel/cobalt	0 2	0 0 0 2		A		10,205		Р	:	т 'о	<u>'4</u>		
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S	ECTION 1 - TRANSPORTATION SEI	RVICES	UTILIZE		16 MI	SSOURI ID HO	17 US EPA I	D NUMBER	111-35					
	Heritage Tra	nspor	t, Inc.					0 5 8 4	`8 <b>`</b> 4	1114				
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5	ECTION J - COMMENTS	1						all the late of		Sec. Sec.	E	٠.		

TO4: Precipitation, neutralization, reduction, filtration, coagulation, fixation, and discharge to POTW.



MO 750-1097 (8-91)

MISSOURI DEPARTMENT OF NATURAL RESOURCES HAZARDOUS WASTE PROGRAM P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102 (314) 751-3176 GENERATOR'S HAZARDOUS WASTE

REPORT SUMMARY SHEET - PART II

BEFORE COPYING FORM, ENTER THE GENERATOR'S NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.

GENERATOR NAME

McDonnell Douglas Corporation

EPA ID HUMBER

M.O.D.O.O.O.8.1.8.9.6.3

MISSOURITO NUMBER

0.0.1.0.0.1

MANIFEST SUMMARY REPORT

DHR-HWG-11

							Name and Address of the Owner, where			The Real Property lies, the Person of the Pe				
C	OTE PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE													
T	TTENTION: Summarize all shipments made to the 1 FOR THE PRINT OR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR) 2. PAGE													
ła	zardous Waste Management Fac	ility y	ou have	9-30-			93 MEAF		ı					
	entified in Section G below. Additi			3-31-			(YEAR		2	OF	ш			
ec	quired for each off-site management	facility	utilized.									2		
1	ECTION C. FACILITY IDENTIFICATION													
. F	ACILITY NAME (NAME OF OFF-SITE LOCATI	ON WHE	RE WASTE	HAS DELIVERED	0)			4. FACILITY	r's epa	I.D. NUN	BER			
	Safety-Kleen Corporation							K · Y · D ·	0.5.	3 · 3 · 4	-8 -1	·0 ·8		
F	ACILITY SITE ADDRESS						•	6. FACILITY						
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7	CHON N- MASIE IDENTIFICATION	1.	(A) 20 (A) (A)	1	10.	Trees, Such pushes	11.		12.	13		14.		
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E	FACILITY LISTED ABOVE	000€			(SEE INST )				#C~3.					
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	Flammable/chlorinated			D·0·0·7										
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_	from degreasing	1 3	C · O · O ·	1 F·0·0·2	_A		1,68	J	1	1		3 0		
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5	ECTION I - TRANSPORTATION SEI	RVICES	UTILIZE	D										
	15 COMPANY NAME					SOURI ID NO	17 US EPA I							
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5	ECTION J - COMMENTS							ik ve tr			2.3			
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P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102

(314) 751-3176

GENERATOR'S HAZARDO

GENERATOR'S HAZARDOUS WASTE REPORT SUMMARY SHEET - PART II

BEFORE	COPYING	FORM.	ENTER	THE	GENERATOR'S	NAME
AND IDE	NTIFICATIO	MUM MC	BERS A	SSHC	WN ON PART I.	

GENERATOR NAME

McDonnell Douglas Corporation

EPA ID NUMBER

M 0. D. 0. 0. 0. 8. 1. 8. 9. 6. 3

MISSOURITO NUMBER

0.0.1.0.0.1

NO	TE PLEASE READ INSTRUC	TIONS	AND EITH	HER PRINT	OR TYPE			Osisis d					
AT	ATTENTION: Summarize all shipments made to the SECTION F-REPORT IDENTIFICATION (AS SHOWN ON PART I)												
Ha	zardous Waste Management Fac	ility y	ou have	9-30-	(YEAR)	ING (D/120X ON I2⋅31	- 93 (YEAR)	•	OF	1.0			
ide	ntified in Section G below. Additi	ional p	ages are	D 3-31			(YEAR)	10	QF	14			
req	uired for each off-site management	facility	utilized.										
SE J. F	CTION G - FACILITY IDENTIFICAT	ION WHE	RE WASTE	WAS DELIVERE	D)		4. FACILI	TY'S EPA	I.D. NUI	ABER			
	Holnam/Safety-Kleen Corpo	oratio	on				M. O. E	0.2.	9 · 7 · 2	.9 .6 .8 .8			
\$. F	ACILITY SITE ADDRESS						6. FACILI	TY'S MIS	SOURI I.	D. NUMBER			
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S	CTION H-WASTE IDENTIFICATION	ON S			- V.								
	7	8.		3	10.		11.	12. UNIT	13	14. FINAL			
i	DESCRIPTION OF WASTE  • SHIPPED TO THE	DOT HAZARD		AZARDOUS	COOE		TAL AMOUNT	OF	SPECIFIC	HANDUNG			
H	FACILITY LISTED ABOVE	COOE	TZAW	ENUMBER	(SEE INST )		OF WASTE	HEAS.	GRAVITY	3000			
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MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65 102
(314) 751-3176
GENERATOR'S HAZARDOUS WASTE

REPORT SUMMARY SHEET - PART II

BEFORE	COPYING	FORM,	ENTER	THE	GENERA	TOR'S	NAME
AND IDE	NTIFICATION	MUN NC	BERS A	SSHO	I NO NWC	PART I.	

GENERATOR HAME

McDonnell Douglas Corporation

EPA ID NUMBER

M.O.D.O.O.O.8.1.8.9.6.3

MISSOURITO NUMBER

0.0.1.0.0.1

10	TE PLEASE READ INSTRUCT	TIONS	AND EITH	ER PRINT C	RTYPE								
T	TTENTION: Summarize all shipments made to the SECTION F-REPORT IDENTIFICATION (AS SHOWN ON PART I)												
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	ntified in Section G below. Additi			3-31-			· (YEAF			Z of _	10		
	uired for each off-site management				_(,	₩ V3V		'					
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_,	Safety-Kleen Corporation ACILITY SITE ADDRESS	on						M. O. D.	0.9.	5.4.8	.6 .∶	3 .1 .2	
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	St. Charles			MO		63304			111110				
SE	CTION HE WASTE DENTIFICATION		l .						12	13		14.	
ι	7 DESCRIPTION OF WASTE	#. DOT		3 -	10. TAX		11.		12. UNIT			INAL	
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MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
(314) 751-3176
GENERATOR'S HAZARDOUS WASTE

REPORT SUMMARY SHEET - PART II

MISSOURI DEPARTMENT OF NATURAL RESOURCES BEFORE COPYING FORM, ENTER THE GENERATOR'S NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.

GENERATOR NAME

McDonnell Douglas Corporation

EPA ID NUMBER

M. O.D.O.O.O.8.1.8.9.6.3

MISSOURITO NUMBER

0 0 1 0 0 1

IOTE PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE												
ATTENTION: Summarize all shipments made to the SECTION F- REPORT IDENTIFICATION (AS SHOWN ON PART I)  1 FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)  2. PAGE												
Hazardous Waste Management Fac	ility yo	ou have	9-30		Ø 12·31·	93 (YEAR)		_ of _1				
dentified in Section G below. Addition	onal pa	ages are	D 3-31	(YEAR)	6-30-	(YEAR)		Or				
required for each off-site management	1.50	utilized.	er ter		5 - 5 - 74 - p. 5		and the state of t		2121957			
SECTION G. FACILITY (DENTIFICAT	ON WHE	RE WASTE W	AS DELIVERE	D)		4. FACILI	TY'S EPA	I.D. NUN	BER			
McDonnell Douglas Corpor	ation					M ⋅0 ⋅D	.0 .0 .0	8.1	8 <b>9 6</b>	3		
Lindbergh & McDonnell Bl	vd.					6. FACILI	TY'S MIS	SOURI I.	O. NUMBE	R		
Hazelwood			MO		3042		R. R. (	0.2.6	8			
SECTION HE WASTE IDENTIFICATION	N											
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DESCRIPTION OF WASTE SHIPPED TO THE	HAZARD		2ARDOUS	TAX COOE		TAL AMOUNT OF WASTE	OF	SPECIFIC GRAVITY	HANDUN	- 1		
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NOTE >

MO 750-1097 (8-91)

MISSOURI DEPARTMENT OF NATURAL RESOURCES HAZARDOUS WASTE PROGRAM P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102

(314) 751-3176 GENERATOR'S HAZARDOUS WASTE REPORT SUMMARY SHEET - PART II

BEFORE	COPYING	FORM,	ENTER	THE	GENERATOR'S	NAME
AND IDE	NTIFICATION	MUN NC	BERS AS	SSHC	OWN ON PART I	

GENERATOR NAME

McDonnell Douglas Corporation

EPA ID NUMBER

MM.O.D.O.O.0.8.1.8.9.6.3

MISSOURI 10 NUMBER

0 .0 .1 .0 .0 .1

NOTE PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE  ATTENTION: Summarize all shipments made to the Hazardous Waste Management Facility you have identified in Section G below. Additional pages are required for each off-site management facility utilized.  SECTION 6- FACILITY IDENTIFICATION  SECTION 6- FACILITY IDENTIFICATION												
S:	CTION G - FACILITY IDENTIFICAT	ION WHE	RE WASTE W	AS DELIVERE	학교(() D)		4.	FACILITY'S E		ABER		
	Safety-Kleen Corporation						c	). H. D. 9.	8-0-5-8	.7.3.6.4		
5. F	581 Milliken Drive South	east					6.	FACILITY'S I	AISSOURI I.	D. NUMBER		
CII	Y Hebron			HO H		P CODE 3025		R- I	R· O· H·O	-1		
Si	ECTION H - WASTE IDENTIFICATION	l .				3				14.		
LINE	OESCRIPTION OF WASTE SHIPPED TO THE FACILITY LISTED ABOVE	B. DOT HAZARO CODE		ZARDOUS NUMBER	TAX COOE (SEE INST )		11. TAL AMOUNT OF WASTE	ME 0 1	FERMITY	FINAL HANDLING CODE		
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	ECTION J - COMMENTS							<b>是本語</b>				
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MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
(314) 751-J176
GENERATOR'S HAZARDOUS WASTE

REPORT SUMMARY SHEET - PART II

BEFORE	COPYING	FORM,	ENTER	THE	GENERATOR'S	NAMI
					OWN ON PART I.	

GENERATOR NAME

McDonnell Douglas Corporation

EPA ID NUMBER

MM.O.D.O.O.O.8.1.8.9.6.3

MISSOURTED NUMBER

0.0.1.0.0.1

NOTE DE PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE													
ATTENTION: Summarize all shipments made to the 1 FOR THE PERIOD ENDING (CHECK ONE A FILL IN YEAR) 2. PAGE													
Hazardous Waste Management Faci	ility y	ou have	9-30-		12-31	93 (YEA	4) 		OF				
identified in Section G below. Addition	onal p	ages are	D 3-31			(YEAF		10	OF				
required for each off-site management f													
SECTION G-FACILITY IDENTIFICAT	ON 🤮		AC OCH WERE		<b>美国基础</b>		4. FACILIT	TO EDA	LD MIII	IBER			
3. FACILITY NAME (NAME OF OFF-SITE LOCATION				J)							7.		
Rollins Environmental Se	rvice	es (IX)	Inc.	-			T.X.d.	0.5.	5.1.4	.1.3	./ &		
P.O. Box 609, 2027 Battl	egro	und Rd.					6. FACILIT	Y'S MIS	SOURI I.	D. NUM	BER		
CITY		3	STATE		77536			·N ·T	X 1	6			
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SECTION H - WASTE IDENTIFICATION	1.			10.	Contract Contraction	11.	Salar Caral	12.	13	14	l.		
DESCRIPTION OF WASTE	DOT	. EPA HA	ZARDOUS	TAX	10	TAL AMOUNT	ſ	זאט	SPECIFIC	FIN.			
SHIPPED TO THE FACILITY LISTED ABOVE	COOL		NUMBER	COOE (SEE INST )		OF WASTE		OF MEAS.	GRAVITY	OWYH			
		2:0:0:7	TE: 0:0:0								-		
1 Debris from aircraft		F:00 3	F' 0' 0' 2			-91.64	0	P.		TC	1 3		
servicing/painting		1.00.5											
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SECTION 1 - TRANSPORTATION SER	VICES	UTILIZE					1						
15 COMPANY NAME				16 MIS	SOURI ID NO	17 US EPA 1	D HUMBER	017//01-1					
				н	1.1.9.1	I L D	0 0 9	3 4 8	31 9 3				
• Peoria Dispos	al C	ompany											
1 55 pt 6				H· - ·				• •					
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c		Santa de la compansión de	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		or the extension	-1 -1 -1 -1 -1 -1		- T - Z - E	7. A.V.				
SECTION J - COMMENTS						4.0				2			
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					•								
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MO 750-1097 (8-91)						1,	ANIFEST SUL	MARY P	EPORT	DHR.	HWG-11		



MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
(314) 761-3176

### FACILITY SUMMARY REPORT PART I

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NOTE > PLEASE READ INSTRUCTIONS AND EITHER	· · · · · · · · · · · · · · · · · · ·			
SECTION A - REPORT IDENTIFICATION			A 15 10 10	10 10 16 16 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18
IMPORTANT: ALL MISSOURI BASED FACILITIES THAT RECLAIM, TREA				17010000
STORE, OR DISPOSE HAZARDOUS WASTE ON-SITE SHALL REPORT TH TYPE, QUANTITY AND HANDLING METHOD USED FOR EACH WAST		EARL X 12.11	33 NEADY	14
RECEIVED FROM ALL SOURCES. ALL FACILITIES MUST REPOR	T 100 100 100 100 100 100 100 100 100 10			
QUARTERLY.	3-31 (YE			
SECTION BEFACILITY IDENTIFICATION				
2 FACILITY NAME A SAME AS LABEL				
McDonnell Aircraft Company				
4. FACILITY CONTACT PERSON (NAME)   SAME AS LAGEL		TELEPHONE NUM	SER	
Joseph Haake			314-23	2-3319
E. MAILING ADDRESS	спү		STATE	ZIP CODE
P.O. Box 516, Mail Code 1003377	St. Louis		HO	63166
A PLANT SITE ADDRESS SAME AS LIBEL	CITY		STATE	ZIP CODE
McDonnell & Lindbergh Blvd.	Hazelwood		MO	6 30 4 2
7. NAME OF PARENT FIRM			OFFICE USE	DHLY
McDonnell Douglas Corporation				
SECTION C. COMMENTS				Carlotte de Carlotte

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	CERTIFICATION STATEMEN	
K -1 -4 PP K L V / N P J -4	利 コンチェリコ ( 45・4 1 ( 41 ) にんじゅんきょういりょう	
SECTION	Sent and the Cold State in En	

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

PA	INT	HAME

MO 780-0408 (9-91)

ROBERT H. KAATMAN

SIGNATURE

Ist / Santa

DATE
10 FERS GY

FORM DAR HAT



HAZARDOUS WASTE PROGRAM

P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102 (314) 751-3176

## **FACILITY SUMMARY REPORT**

MISSOURI DEPARTMENT OF NATURAL RESOURCES BEFORE COPYING FORM, ENTER THE FACILITY NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.

McDonnell Douglas Corporation

FACILITY'S EPA

M. O. D. O. O. O. 8. 1. 8. 9. 6. 3

	PART II  FACILITY'S MISSOURI 1.0. NUMBER  R. R. O. 2.6.8													
	NOTE ▶ PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE													
S	SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I)													
	1. FOR THE PERIOD ENDING (CHECK ONE & FILL		2. PAGE	(8)	NOTE: SUMMA	RIZE TH	E AM	OUNT	OF 1	WAST	EF	RECE	IVEC	
3.	9-30(YEAR)	-	2 OF	1/	AND HOW IT WA									
	3-31- (YEAR) 6-30- (Y			1.564	ON THIS PAG						EED	TO	BE	
1	()				COMPLETED FO					TCE.				
S	ECTION F - GENERATOR IDENTIFI	CATIO	V (LIST THE SO	URCE OF 1	THE WASTE LIS	TED ON	_				. ***			
3. (	GENERATOR'S NAME				TE IDENTIFIED ON T		5. GE	NERATOR	'S U.S	EPA I.I	D. NU	MBER	ŧ	
1				CK THIS BOX		$\mathbf{x}$	1 44.	0. D. 0	٠.٠٠	۸٠٥.	. 1 .	0.0		
	<u> cDonnell Douglas Corporati</u>													
6.	GENERATOR'S ADDRESS	CITY		STA	TE ZIP COU	E	7. GE	NERATOR	'S MIS	SOURI	i I.D. I	NUMB	ER	
1.	indbergh & McDonnell Blvd.	Нат	alwand MA 6	3042				0	0	1· 0·	0	1		
1			-	73042										
S	ECTION G - WASTE IDENTIFICATION OF WASTE	ON	THE RESIDENCE AND DESCRIPTION OF THE PERSON			MISC LIS	NDI C	DATV	2110	CITC	1.1			
	SUMMARIZE THE AMOUNT OF WASTE	KOWI I	10.	O GENERAL	OR AND HOW IT	MA2 UA	12.	13.	70 K					
lì	DESCRIPTION	DOT	EPA HAZARDOU	10	TOTAL AMOUNT	- 1	UNIT	SPECIFIC		H	ANOL!	-		
N	OF WASTE	HAZARD	WASTE NUMBE		OF WASTE	l	OF MEAS.	GRAVITY		eTERIM.	1	FIN		
E		CODE	ļ				MCAS.			I E IVAN	$\dashv$		IAL .	
1					AAC	ł			٠.	٠.	, .	<b>T</b> . (	•	
-	Valdez coolant treatment Acid from stainless steel	0_2	D· O· O· 2 D· O	07	446		Р	•	S		4		0 4	
2		0 2	D. O.O. 2 D.O	.0.7	519		Р	•	s ·	٠.	1	<b>T</b> . (	n •	
$\vdash$	Alkaline from derusting	0 2	0.0.0.20.0		219		P	•	3	<u> </u>	4		<u>U '</u>	
3	of metal parts	0 2	D· 0· 0· 2 D· 0	8.0.	495	ŀ	n			ο.	٦.	<b>.</b>		
-	Acid from titanium	0 2	D· 0· 0· 2 D· 0	.0.7	495		Р_	•	3	<u>v</u>	╇		<u> </u>	
4	metal surface cleaning	0 2	D.0.0.2 D.0	-0-7	519		P		6.	o.	1.	<b>-</b>	٠.	
-	Acid from chemical	<del>U Z</del>	D·O·O·2 D·O	.0.7	319		<u> </u>	•	3		4		-	
5	conversion coating	0 2	0.0.0.2 0.0	0.7	1,557	- 1	Р	•	6.	ο.	<b>,</b> .	<b>.</b> .	•	
-	Solution from	0 2	D·0·0·2 D·0	0.7	1,55/		Р_	-	3		4		<u> </u>	
6	coating removal	0 2	F·0·0·2	-0.7	559		P		c .	ο.	,	<b>.</b> .	٠.	
-	Acid from cleaning/pick-	0 2	D·O·O·2 D·O	.0 .4	333		P	-	3	<u></u>	4		<u> </u>	
7	ling aluminum/titanium	D 2	D·O·O·7 D·O		519		Р		6.	0	<b>,</b> ].	<b>T</b> (	n .	
-	Acid from metal surface	0 2	D·O·O·2 D·O		313			-	3		4		<u> </u>	
8	passivate	0 2	$0.0 \cdot 1.0$	<del></del>	5,709		Р	:	6.	ິດໍ	1	т .	n .	
6	SECTION H - COMMENTS				3,703		No. of Lot,					200		
15			STRONG STRONG STRONG STRONG									The state of the last		
1.	••													
	TO4: Precipitation, reduc	ction.	neutraliza	tion. co	agulation.	fixati	on -	and d	lise	char	·πe	to	Þυ.	
	,		,	,	ugu.uu.u.,		··· ,			,,,,,,	30	-		
	Line 6: additional final	hand1	ling code:	T03										



NOTE >

MISSOURI DEPARTMENT OF NATURAL RESOURCES HAZARDOUS WASTE PROGRAM

SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I)

PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102 (314) 751-3176

FACILITY SUMMARY REPORT
PART II

BEFORE	COPYING	FORM,	<b>ENTER</b>	THE	FACILITY	NAME	AND
IDENTIFI	CATION N	UMBER	SASSH	NWC	ON PART I	•	

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA

M. O. D. O. O. O. 8. 1. 8. 9. 6. 3

FACILITY'S MISSOURI I.D. NUMBER

R.R.O.2.6.8

W	1. FOR THE PERIOD ENDING (CHECK ONE & FILL II  9-30(YEAR) 29 12-31- 93 (YI 3-31(YEAR) 6-30(YEAR)	EAR) EAR)	2. PAGE  3 OF 17	NOTE: SUMMARIZE THE AND HOW IT WAS HANDE ON THIS PAGE. ADD COMPLETED FOR EACH	LED FI ITION INDIV	ROM AN NAL PA IDUAL S	GE OUI	OIVI S I RCE	DUA NEEI	L SC	OURC O B	SE
SE	CTION F - GENERATOR IDENTIFIC	CATIO	(LIST THE SOURCE	OF THE WASTE LISTED OF	N THI	S PAGE	) ,				٠ سا. نو	
	ENERATOR'S NAME		4. IMPORTANT: IF TH	E WASTE IDENTIFIED ON THIS	5. GE	NERATOR	S U.S	.EPA	I.D. N	UMB	ER	
	McDonnell Douglas Corporat	ion	SITE - CHECK THIS B			0. Q. C						.;
6. G	ENERATOR'S ADDRESS	CITY		STATE ZIP CODE	7. GE	NERATOR	'S MI	SSOL	JRI LD	. NUN	4BER	
0	Lindbergh & McDonnell Blvc			12		0.	0.	1. (	)· ()·	1		
SI	ECTION G - WASTE IDENTIFICATION OF WASTE F	JIN ROM TI			NDLE	D AT Y	UR	SIT	Et 🤻		3 6	
(2) [2]	OMINAMIZE THE AMOUNT OF WASTER	9.	10.	11.	12.	13.	14.		HANO	LINC		
i	DESCRIPTION	001	EPA HAZARDOUS	TOTAL AMOUNT	UNIT	SPECIFIC			COI			
N	OF WASTE	HAZARD	WASTE NUMBER	OF WASTE	OF MEAS.	GRAVITY	13	ITERII	u I		FINAL	
E		COUL	2000000		ALCAG.				-			-
1	Alkaline from derusting		$D \cdot 0 \cdot 0 \cdot 2 \mid D \cdot 0 \cdot 0 \cdot 8$	4 455		.	٠.	^	٠, ا	т.	0.	
·	of metal parts	0 2		4,455	Р	•	S	U	1.			_
2	Water-emulsified		D· 0 · 8 · · ·				٠.	_	ا ۔	<b>-</b> ·	٠.	
-	cutting oil			880	Р	•	S	U			0	
3	Solution from		$\boxed{0.0.0.2\ 0.0.0.7}$						,		. :	
3	anodize sealing	1 3_		480	Р	•	S	0 :		I	0 4	
	Alkaline cleaning		D·0·0·2 D·0·0·7									
4	solution	0 2		495	Р	•	S	0 :	<u> </u>	T	0 4	
-	Ignitible solvents from		$D \cdot 0 \cdot 0 \cdot 1$ $D \cdot 0 \cdot 0 \cdot 7$				Ι.					
5	painting/metal cleaning	8 0	D·0·08 F·0·0·2	18,040	Р	•	S	0 :	L	T	<u>5 Ö</u>	_
$\vdash$			F.0.0.3 F.0.0.5							١.		
6			D· 0·3·5 · · ·	· · · · · · · · · · · · · · · · · · ·		•						
1	Flammable/chlorinated		F. 0.0.2 F. 0.0.3									
7	solvents	0 8	F·0·0·5 D·0·0·1	20,992	Р		S	0	<u>i</u>	T	<u>5 Ó</u>	
H		1	D· O· O· 7 D· O· O· 8									
la.	1		1	1	1		l '		-		•	

Line 2 TO4: Recycling

SECTION H - COMMENTS

Other TO4: Precipitation, reduction, neutralization, fixation, coagulation,

filtration, and discharge to POTW.

Line 2 additional final handling code: T50

Lines 5 and 6 additional final handling code: TO3

DNR HWF-1



NOTE PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102

(314) 751-3176

### **FACILITY SUMMARY REPORT** PART II

MISSOURI DEPARTMENT OF NATURAL RESOURCES BEFORE COPYING FORM, ENTER THE FACILITY NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA

M.O.D.O.O.O.8.1.8.9.6.3

FACILITY'S MISSOURI I.D. NUMBER

R. R. O. 2. 6.8

S	SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I)													
	1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)  2. PAGE  NOTE: SUMMARIZE THE AMOUNT OF WASTE RECEIVED													
	☐ 9-30- (YEAR)				AND HOW IT WAS LAND	HE AN	TAUON	OF WASTE	RECEIVE					
	3-31(YEAR)		4	OF <u>17</u>	AND HOW IT WAS HAND	とだり	ROM A	N INDIVIDU	AL SOURCE					
4	2 001 <u> </u>	EAN)			COMPLETED FOR EACH	אטונוס סונוס	MAL P	SOURCE NEE	ED IO B					
9	ECTION F - GENERATOR IDENTIF	CATIO	NIZIET TU	IE COLIDOS					SHEET, To Jan Street					
3.	GENERATOR'S NAME	CATIO			THE WASTE LISTED O									
			PAC	SE WAS BOTH G	ENERATED AND MANAGED ON-	5. G	ENERATO	R'S U.S.EPA I.D.	NUMBER					
1	McDonnell Douglas Corporat	ion	SIT	E - CHECK THIS	BOX X	M ·	0 ·0 ·0	0081	896					
_	GENERATOR'S ADDRESS	CITY				<u>'</u>								
		0			STATE ZIP CODE	7. G	ENERATO	R'S MISSOURI I.	D. NUMBER					
	Lindbergh & McDonnell Blvd., Hazelwood, MO 63042													
_	ECTION G - WASTE IDENTIFICATI		Ze i wood,	MO 0304				0 1 0 0						
15	SUMMARIZE THE AMOUNT OF WASTE	ON FROM T	HE AROVE I	ISTED GENI	ERÁTOR AND HOW IT WAS H	NALEN E	D AT W	OUD CITE						
T	8.	9.		0.	11.	12.	13.	OUR SITE)	2.5					
1	DESCRIPTION	TOO	<b>БРА НА</b>	ZARDOUS	TOTAL AMOUNT	UNIT	SPECIFIC	HAN	DUNG					
N C	OF WASTE	HAZARD		NUMBER	OF WASTE	OF	GRAVITY		300					
۴	Oil contaminated with		5000	TE 0 0 0		MEAS.	-	INTERIM	FINAL					
1	Oil contaminated with	1 2		F· 0· 0·3		_								
├	chlorinated solvents	1 3	F·0·0·5		41,160	Р	•	S 0 1	T 5 0					
2	Ether/sodium	la :		D. 0. 0.5				1						
⊢	aryl radical	8_0	D. 0.0.8		512	P	•	S 0 1	TO					
3	Elyamahamia anid		0.0.0.5	D· O· O·7										
<u> </u>	Fluoroboric acid	0 2			519	Р	•	S 0 1	T 0 4					
4	Jet aircraft fuel contam-		0.0.0.1	0.0.1.8										
$\vdash$	inated with oil/water	0 1			1,432	LP_	•	S 0 1	TO					
5	Acid from phosphatizing		D · O · 5											
-	ferrous metals	0 2			1,038	Р	•	S 0 1	T 0 4					
6	Miscellaneous		<u> </u>	<u> </u>										
⊢	laboratory chemicals	<del> </del>			468	P	•	S 0 1	T 0 3					
7	Flammable laboratory		0.0.0.1	· · ·										
├-	chemicals	8 0			1,760	Р	•	501	T 0 3					
	Mold material from		0.0.0.5				.							
0	die-casting metals	0 2			9.747	Р	•	S 0 1	T 0 4					
	ECTION H - COMMENTS				与所有的数据 医可从用 的一种公司				955L050					
15.		100			40									

Line 1 additional final handling code: TO3

TO4: Precipitation, reduction, neutralization, fixation, coagulation, filtration, and discharge to POTW.



P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102 (314) 751-3176

### **FACILITY SUMMARY REPORT** PART II

MISSOURI DEPARTMENT OF NATURAL RESOURCES BEFORE COPYING FORM, ENTER THE FACILITY NAME AND HAZARDOUS WASTE PROGRAM

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA

■M.O.D.O.O.0.8.1.8.9.6.3

FACILITY'S MISSOURI I.D. NUMBER

R. R. O. 2. 6.8

N	OTE PLEASE READ INSTRUC	TIONS	AND EITH	IFR PRINT	OP TYPE									
S	NOTE PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE  SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I)													
ŭ	1. FOR THE PERIOD ENDING (CHECK ONE & FILL		2. PAGE	ON PART I)	The second secon			<i>\$</i> .						
	9-30- (YEAR) \$\frac{12-31-93}{12-31-93}\$				NOTE: SUMMARIZE TH	HE AN	THUON	OF WASTE	RECEIVED					
		•	_5_	OF <u>17</u>	AND HOW IT WAS HAND	)LED F	FROM A	N INDIVIDU	AL SOURCE					
	3-31(YEAR)	(EAR)			ON THIS PAGE. ADI	DITIO	NAL P	AGES NEE	D TO BE					
					COMPLETED FOR EACH									
S	ECTION F - GENERATOR IDENTIF	CATIO	N (LIST TH	IE SOURCE	OF THE WASTE LISTED O	N TH	IS PAG	E)						
3. (	GENERATOR'S NAME		4. IMP	ORTANT: IF TH	E WASTE IDENTIFIED ON THIS	5. GI	ENERATO	R'S U.S.EPA I.D.	NUMBER					
			SIT	E - CHECK THIS		١   ١								
- 1	McDonnell Douglas Corporat	ion			X	M -(	0 O O	0081	8963					
6. (	GENERATOR'S ADDRESS	CITY			STATE ZIP CODE	7. G	ENERATO	R'S MISSOURI I.I	D. NUMBER					
						A100	100000		100000000000000000000000000000000000000					
	Lindbergh & McDonnell Blvd	., Ha	zelwood,	<b>MO</b> 6304	2		0	0.1.0.0	.1					
S	ECTION G - WASTE IDENTIFICATI	ON		THE STATE OF STATE	CONTRACTOR CONTRACTOR OF THE PARTY OF THE PA			Bergering Str.						
is	UMMARIZE THE AMOUNT OF WASTE	FROM TI	HE ABOVE I	ISTED GENE	FRATOR AND HOW IT WAS HA	ALITAL C	DATV	OUD CITE						
L	8.	9.		0.	11.	12.	13.	III.						
Ĭ	DESCRIPTION	DOT	EDA NA	ZAROOUS		UNIT		HAN	DLING					
N	OF WASTE	HAZARO		NUMBER	TOTAL AMOUNT OF WASTE	OF	SPECIFIC	co co	30					
£		CODE			01 117012	MEAS.	GRAVIII	INTERIM	FINAL					
	Neutralization/cleaning	1. 1	0.0.0.5		•									
	of an acid spill	0 2			6,396	Р		\$ 0.1	Τ' Ω' /					
2	Acid from pickling		D.0.0.5	D.0.0.4				5 0 1	<u> </u>					
	aluminum alloys	0 2		D.0.0.8	2,675	P		S 0 1	T' 0'A					
	Acid sludge from		D.0.0.5		2,0/3		-	3 0 1	T 0 4					
-	various process tanks	0 2			9,360	D								
-	Alkaline sludge from	V 2	0.0.0.5		9.300	P	•	S 0 1	T 0 4					
	various process tanks	0 2	0002		507	_								
		-		2.0.0.7	537	P	•	S 0 1	T 0 4					
	Acid from stainless steel		0.0.0.5	D·0·0·7										
	pickling/plating	0 2		<b> </b>	519	Р	•	S 0 1	T 0 4					
	Waste chem mill	.	• • •					, ,						
	mask #2		• • •		941	Р	•	S 0 1	T 0 4					
7	Chlorinated solvent from		F·0·0·1	F·0·0·2										
•	painting/paint removal	1 3	D·0·4·0		1,749	Р		S 0 1	T n 3					
8	Chlorinated solvent from		F·0·0·1											
	degreasing	1 3			1,166	P		S 0 1	T 0 3					
	ECTION H - COMMENTS					a (SAUS)	Application of the same of the							
15.						STATE OF THE PARTY	- Carried Co.							

Lines 7 and 8 additional final handling code: T50

TO4: Precipitation, reduction, neutralization, fixation, coagulation, filtration, and discharge to POTW.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
(314) 751-3176

FACILITY SUMMARY REPORT PART II

BEFORE	COPYING	FORM,	ENTER	THE	FACILITY	NAME	AND
IDENTIFI	CATION N	UMBERS	AS SH	NWC	ON PART I.	,	

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA ID NUMBER

M. O. D. O. O. O. 8.1.8.9.6.3

FACILITY'S MISSOURI I.D. NUMBER

R .R .O .2 .6 .8

N	OTE > PLEASE READ INSTRUC	TIONS	AND EITHER PRINT	OR TYPE										
S	SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I)													
	1. FOR THE PERIOD ENDING (CHECK ONE & FILL		2. PAGE	NOTE: SUMMARIZE TH										
3	9-30(YEAR) 2 12-31-93(Y		6 of 17	AND HOW IT WAS HAND										
	3-31- (YEAR) 6-30- (Y	EAR)		ON THIS PAGE. ADI	DITIO	NAL P	AGES NEE	D TO BE						
933	SECTION F - GENERATOR IDENTIFICATION (LIST THE SOURCE OF THE WASTE LISTED ON THIS PAGE)													
	ECTION F - GENERATOR IDENTIFI GENERATOR'S NAME	CATIO					the second residence in the second							
13.0	JENERA I OR 5 NAME		PAGE WAS BOTH O	HE WASTE IDENTIFIED ON THIS	5. GI	ENERATO	R'S U.S.EPA I.D.	NUMBER						
l	McDonnell Douglas Corpor	ratio	SITE - CHECK THIS	BOX X	M.	0, <b>0</b> , <b>0</b>	.0.0.8.1	.8 .9 .6 .3						
6. 0	GENERATOR'S ADDRESS	CITY		STATE ZIP CODE	7 6	ENERATOR	R'S MISSOURI I.O	NI ILIZA						
-				2 0002		(S)		125						
	Lindbergh & McDonnell Blvd., Hazelwood, MO 63042													
	SECTION G - WASTE IDENTIFICATION													
(S	UMMARIZE THE AMOUNT OF WASTE	ROM T	HE ABOVE LISTED GEN	ERATOR AND HOW IT WAS HE	ANDLE	D AT Y	OUR SITE)							
Ŀ	8.	9. 00T	10.	11.	12.	13.	14. HAN	DUNG						
N	DESCRIPTION OF WASTE	HAZARD	EPA HAZARDOUS	TOTAL AMOUNT	UNIT	SPECIFIC		30						
E	UF WASIE	COOE	WASTE NUMBER	OF WASTE	MEAS.	GRAVITY	INTERIM	FINAL						
	Chlorinated solvent		F· 0· 0· 1 D· 0· 4· 0											
Γ.	from degreasing	1 3		1,749	P		S 0 1	T 0 3						
2	Potassium dichromate		D· 0· 0·1 · · ·											
	filters	1 6		350	Р		S 0 1	T 0 3						
3	Acetic acid/													
	nickel		0 0 0 0 0 0 0 0	1,485	P	•	5 0 1	T 0 4						
4	Industrial wastewater	3.5	D. 0.0.3 F. 0.0.6	001 000				T. 0.						
Н	pretreatment sludge	1 5	F 0 1·9 · · ·	981,000	Р	•	S '0 '1	L. 0.						
5														
$\vdash$						•								
6				{										
$\vdash$						•								
7		•												
						•								
8		•												
SI	ECTION H - COMMENTS			<b>用於自然不足到於</b>	Z		Charles of							

Line 1 additional final handling code: T50

TO4: Precipitation, reduction, neutralization, filtration, coagulation, filtration, and discharge to POTW.

HAZARDOUS WASTE PROGRAM

P.O. BOX 176

JEFFERSON CITY, MISSOUR 65102 (314) 751-3176

FACILITY SUMMARY REPORT PR 1 3 12

MISSOURI DEPARTMENT OF NATURAL RESOURCES BEFORE COPYING FORM, ENTER THE FACILITY NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA

M·O·D·O·7·5·8·8·8·4·8·7

ACILITY'S MISSOURI D. NUMBER
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	PA	MINI MINI	, "   li	D. NUMBER	· · · · ·	•		
N	OTE > PLEASE READ II	NSTRUCTIONS !	AND EITHER PRI	NT OR TYPE				
SI	ECTION E - REPORT IDENT	TIFICATION (AS	SHOWN ON PAR	IT I)		Section 1	· 图示表 20	221-
100	1. FOR THE PERIOD ENDING (CHECK   9-30- (YEAR)   12   3-31- (YEAR)   6		2. PAGE 7 OF 17	AND HOY	SUMMARIZE THE AN VIT WAS HANDLED F S PAGE. ADDITIO TED FOR EACH INDIV	ROM AN	NINDIVIDUA AGES NEE	L SOURCE
SI	ECTION F - GENERATOR I	DENTIFICATION	(LIST THE SOUI	RCE OF THE WAS	TE LISTED ON TH	IS PAG	Ε)	
	GENERATOR'S NAME  McDonnell Douglas Co	orporation		IF THE WASTE IDENTIF ITH GENERATED AND M THIS BOX	ANAGED ON-		7 5 8 8	
6. C	GENERATOR'S ADDRESS	CITY		STATE	ZIP CODE 7. GE	NERATOR	'S MISSOURI I.C	NUMBER
	2600 North Third St.	_				0.	0.1.1.1	.0
	ECTION G - WASTE IDENT SUMMARIZE THE AMOUNT OF			SENERATOR AND I	HOW IT WAS HANDLE	D AT Y	OUR SITE)	
LINE	e. Description Of Waste	9. DOT HAZARD CODE	10. EPA HAZARDOUS WASTE NUMBER	TOTAL	AMOUNT OF MEAS.	13. SPECIFIC GRAVITY	14. HANC	DUNG DE FINAL
			F 0 0 1 F 0 C	. 2		1	1	1

L I N	&. Description Of Waste	9. DOT HAZARD	10. EPA HAZARDOUS WASTE NUMBER	11. Total amount Of Waste	12. UNIT OF	13. SPECIFIC GRAVITY	14. HANOUNG CODE		
E	UF WASIE	C00£		or masic	MEAS.	Una.	INTERIM	FINAL	
1	Chlorinated solvents	1 3	F·0·0·1 F·0·0·2	4,050	P	•	• •	T 0 3	
2	Mixed solvents	0 8	F·0·0·3 D·0·3·5 F·0·0·5 · · ·	5,475	P	•		T 0 3	
3	Paint-related material (solids)	1 5	D· 0· 0· 1 D· 0· 3· 5	103,493	Р	÷		T 0 3	
4	Explosive C's	0 6	D· 0· 0· 3	3.9201	P			T 0 3	
5	Waste oil	0 1	D· 0 · 9 · 8	14,580	P	:		T 0 3	
6	Coolant oil (Res.Rec.)			1,668	P	:		T 0 4	
7									
8						•			

SECTION H - COMMENTS

Line 6: Water is evaporated from oil--oil is sent for fuel blending

Facility's MO ID # left off per DNR.



MISSOURI DEPARTMENT OF NATURAL RESOURCES HAZARDOUS WASTE PROGRAM P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102 (314) 751-3176 FACILITY SUMMARY REPORTS PART II	FACILITYS EPA ID NUMBER  FACILITYS EPA ID NUMBER  FACILITYS MISSOURI I.D. NUMBER  FACILITY MISSOURI						
NOTE > PLEASE READ INSTRUCTIONS AND EITHER PR							
SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PA	ART I)						
1. FOR THE PERIOD ENDING (CHECK ONE A FILL IN YEAR)  9-30(YEAR)  12-31(YEAR)  05-30(YEAR)  2. PAGE  8 OF  05-30(YEAR)	NOTE: SUMMARIZE THE AMOUNT OF WASTE RECEIVED AND HOW IT WAS HANDLED FROM AN INDIVIDUAL SOURCE ON THIS PAGE. ADDITIONAL PAGES NEED TO BE COMPLETED FOR EACH INDIVIDUAL SOURCE.						
SECTION F - GENERATOR IDENTIFICATION (LIST THE SO	URCE OF THE WASTE LISTED ON THIS PAGE)						
3 GENERATOR'S NAME 4 IMPORTANT	THE WASTE IDENTIFIED ON THIS S GENERATOR'S I SERALD MINESER						

PAGE WAS BOTH GENERATED AND MANAGED ON-SITE - CHECK THIS BOX

McDonnell Douglas Corporation

м.0 р.0 7 5 8 8 8 4 8 7

6 GENERATOR'S ADDRESS

STATE

ZIP CODE

7. GENERATOR'S MISSOURI I D. NUMBER

2600 North Third St., St. Charles, MO 63301

SECTION G - WASTE IDENTIFICATION -

0.0.1.1.1.0

©. DESCRIPTION OF WASTE	9. DOT HAZARD COOE	10. EPA HAZARDOUS WASTE NUMBER	11. TOTAL AMOUNT OF WASTE	12. UNIT OF MEAS.	13. SPECIFIC GRAVITY	CO		OUNG	-		
Stripping/cleaning bath from electroplating	1 8	D O O 3 D O O 4	768	Р	:	s.	0.	I T	0.		
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15.

TO4: Precipitation, reduction, neutralization, fixation, coagulation, filtration, and discharge to POTW.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102

FACILITY SUMMARY REPORT

MISSOURI DEPARTMENT OF NATURAL RESOURCES BEFORE COPYING FORM, ENTER THE FACILITY NAME AND HAZARDOUS WASTE PROGRAM

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA ID NUMBER

MM.O.D.O.O.O.8.1.8.9.6.3

FACILITYS MISSOURI

R. R. O. 2.6.8

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N	OTE > PLEASE READ	INSTRUCTIONS	AND EITHER	PRINT O	R TYPE				
SE	ECTION E - REPORT IDEN						N Set		W.
	1. FOR THE PERIOD ENDING (CHECK		2. PAGE		NOTE: SUMMARIZE TH	IE AM	OUNT	OF WASTE	RECEIVED
	☐ 9-30(YEAR)	2-31-93 (YEAR)	9 OF	17	AND HOW IT WAS HAND				
	□ 3-31(YEAR) □ 6	5-30 (YEAR)	OF		ON THIS PAGE. ADD				D TO BE
119				Y TELE	COMPLETED FOR EACH	INDIV	IDUAL S	SOURCE.	
SI	ECTION F - GENERATOR	IDENTIFICATION	(LIST THE	SOURCE	OF THE WASTE LISTED O	N THI	S PAG	E) 🧐 🚉 🥫	
3. 0	GENERATOR'S NAME				WASTE IDENTIFIED ON THIS	5. GE	NERATOR	S U.S.EPA I.D. P	NABEN !
	Managara 11 Dayslas	Companytion		HECK THIS B		l M.	n.n.n	.0 .0 .8 .1	a a e a
	McDonnell Douglas	corporation					0.0.0	.0 .0 .0 .2	3,00
6. C	GENERATOR'S ADDRESS	CITY			STATE ZIP CODE	7. GE	NERATOR	'S MISSOURI I C	NUMBER
	Airport Rd. & McDe	oppoll Blud	St Loui	ie NO 6	3134		Mo.	0 .1 .2 .4	8
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SI	ECTION G - WASTE IDEN	TIFICATION	7.1						
(S	UMMARIZE THE AMOUNT O			TED GENE					(18 B)
1	8.	9. 00T	10.		11.	12. UNIT	13.	14. HANG	
'n	DESCRIPTION OF WASTE	HAZARD	EPA HAZAR WASTE NUI		TOTAL AMOUNT OF WASTE	OF	SPECIFIC GRAVITY	CO	
E	or waste	3003	WASTE NO.	NOCA		MEAS.	U.S.	INTERIM	FINAL
•	Acid from oxide rem		D. 0.0.2 D	$\cdot 0 \cdot 0 \cdot 7$		_	.		
'	on metal surfaces	0 2			94	P	•	S 0 1	T 0 4
2	Acid from chemical		D. 0. 0. 2 D	$\cdot 0 \cdot 0 \cdot 7$		_			
-	conversion coating	0_2			1,502	P	•	S 0 1	T 0 4
3	Acid from stainless	, I . I	D. 0. 0. 2 D	$\cdot 0 \cdot 0 \cdot 7$		_	.		
J	steel pickling/plat			• • •	566	Р	•	S 0 1	T 0 4
	Acid from metal		D. 0. 0. 2 D				. !		
	surface passivate		D. 0. 0.7 D	0.0.8	1,037	P	•	S 0 1	T 04
5	Water-emulsified		D. 0. 9.8	• • • •		_			ا مدا
٦	cutting oil		<u> </u>	7	440	P	•	S 0 1	104
6	Chlorinated solvent		F. 0. 0.1 F	0.0.2				a.a.i	T'0 3
	painting/paint rem		D 0 4 0	• • • •	3,498	P	•	s o i	T 0 3
7	Jet aircraft fuel o	, , ,	D 0 0 1 D	0.1.8				C'0 i	T. 0. 3
	inated with oil/wat	ter 0 1		• • • •	1,073	P	•	S 0 1	T 0 3
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	ECTION H - COMMENTS		是一年的" <b>是</b> 是"			1 41.1		Contact Process	
15.		• •							
	Line 5 TO4: Recyc	ling							
					filtuation		ulati	07	
	Other TO4: Precip	itation, redu	uction, ne	eutraliz	ation, filtration,	coay	urati	UII,	
	fixation, and disc	harge to PUII	M.						1
		Adaman (1994)	h		TEO				
	Lines 5 and 6 addi	tional final	nandling	code:	T50				
				W.					
									1



HAZARDOUS WASTE PROGRAM

P.O. BOX 176

JEFFERSON CITY, MISSOURT85102

(314) 751-3176

FACILITY SUMMARY REPORT

MISSOURI DEPARTMENT OF NATURAL RESOURCES BEFORE COPYING FORM, ENTER THE FACILITY NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA

M.O.D.O.O.O.8.1.8.9.6.3

FACILITY'S MISSOURI I.D. NUMBER

R.R.O.2.6.8

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N	OTE > PLEASE READ INSTRUC	TIONS	AND EITH	ER PRINT	OR TYPE							
SI	ECTION E - REPORT IDENTIFICATI		SHOWN	ON PART I)								
	1. FOR THE PERIOD ENDING (CHECK ONE & FILL II		2. PAGE		NOTE:	SUMMARIZE TH	HE AN	TNUOI	OF WASTE	RECEIVED		
	9-30(YEAR) \$\frac{12-31-\frac{93}{93}}{12-31-\frac{93}{93}}\$	EAR)	10	OF 17		DW IT WAS HAND						
	3-31(YEAR)	EAR)		<u> </u>		HIS PAGE. AD				D TO BE		
			3		1000	ETED FOR EACH						
	ECTION F - GENERATOR IDENTIFIC	CATIO						the second second second	the second name of the second			
3. (	GENERATOR'S NAME  4. IMPORTANT: IF THE WASTE IDENTIFIED ON THIS 5. GENERATOR'S U.S.EPA I.D. NUMBER PAGE WAS BOTH GENERATED AND MANAGED ON-											
	McDonnell Douglas Corporat	ion	SIT	E - CHECK THIS I	BOX	<b></b>	M .(	O. Q. (	0.08.1	8906		
	<u> </u>		l		STATE	ZIP CODE	1.0	11501700	'S MISSOURI I.C	2 2011114		
<b>.</b> (	GENERATOR 3 ADDRESS	CITY			SIAIE	ZIP COBE	7. 00			American		
	Airport Rd. & McDonnell Bl	vd.,	St. Lou	is, MO 63	3134			0.	0.1.2.4	.8		
e	ECTION G - WASTE IDENTIFICATION	186	· v.Fa V.Sov	د مراج و الما	ين - مهرس	and the second						
IS	SUMMARIZE THE AMOUNT OF WASTE F	ROM TI	IE ABOVE	LISTED GENI	ERATOR AND	HOW IT WAS HA	ANDLE	D AT Y	OUR SITE)			
l	8.	9.		10.		11.	12.	13.	14. HAND	Out 10		
!	DESCRIPTION	DOT HAZARD	EPA HA	ZARDOUS	TOTA	L AMOUNT	UNIT	SPECIFIC	CO			
N E	OF WASTE	COOE	WASTE	NUMBER	06	WASTE	MEAS.	GRAVITY	INTERIM	FINAL		
_	Ignitible solvents from		D- 0- 0-1	D-0-0-7		<del></del>						
1	painting/metal cleaning	8 0	D. 0.0.8	F-0-0-2	11	,880	P		I 0. S	T 5'0		
			F-0-0-3	F-0-0-5								
2		.	D: 0: 3:5				l					
2	Flammable/chlorinated			D· O· O· 7								
<b>.</b>	solvents	8 0		F-0-0-2	4	,093	Р	•	S' 0'1	T. 2.0		
4			F- 0- 0-3	F-0-0-5								
_								•				
5	Flammable/chlorinated			D. 0. 0. 7					S. 0.1	T ' 5'0		
_	solvents	8 0		F. 0. 0. 2	4	,093	P	•	2 0 1	1 30		
6				F. 0. 0. 5								
_			F 0 0 1	F. 0. 0. 2				•				
7	Oil contaminated with	1 3		D 0 4 0		979	P		S'0 1	T'5 0		
_	chlorinated solvents	13		F 0 02		3/3	-	•	301			
8	Oil contaminated with	1 3	F 0. 0. 5	<del></del>	3(	,841	P		S. 0.1	T'5 0		
S	chlorinated solvents	1 2	I 0. 0. 5		30					-4 - Y } - L		
C1 15.								:	* * * * * * * * * * * * * * * * * * *			
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	All times additional filla	- HAII	g ••		_							
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HAZARDOUS WASTE PROGRAM

P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102

O B

MISSOURI DEPARTMENT OF NATURAL RESOURCES BEFORE COPYING FORM, ENTER THE FACILITY NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.

RACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA ID NUMBER

MM 0 D 0 0 0 8 1 8 9 6 3 M

	FACILITY SUMMARY	REPO	RT				<del></del>					
gree	PARTIL	1322	3 131992	FACILIT I.D. NUN	YS MISSOURI ABER	R .R .O	2 .(	8, 6				
N	OTE > PLEASE READ INSTRUC	TIONS	AND EITHE	R PRINT C	R TYPE			820	20 N			
SI	ECTION E - REPORT IDENTIFICATI	ON (A	S SHOWN O	N PART I)					1.15	2 7.9	\$ 1 (B)	
	1. FOR THE PERIOD ENDING (CHECK ONE & FILL !	N YEAR)	2. PAGE		NOTE: S	UMMARIZE TH	IE AM	IOUNT	OF W	ASTE	RECEIV	El
g	9-30- (YEAR) 12-3193 (Y	EAR)	11 0	. 17	AND HOW	IT WAS HAND	LED F	ROM A	INDI\	/IDU/	L SOUR	C
ı	3-31(YEAR)	EAR)	0		The second secon		_				O TO	В
					COMPLET	ED FOR EACH	INDIV	IDUAL S	SOURC	Έ.		
Š	ECTION F - GENERATOR IDENTIFI	CATIO	N (LIST THE	SOURCE	OF THE WAS	TE LISTED O	N THI	S PAG	E)			
1. (	GENERATOR'S NAME						5. GE	NERATOR	'S U.S.EF	A I.D.	NUMBER	
						The state of the s	M O	0.0	0 0 8	3 1	8 9 0	E
	McDonnell Douglas Corporat	cion										_
1	GENERATOR'S ADDRESS	CITY			STATE	ZIP CODE	7. GE	NERATOR	'S MISSO	URITO	NUMBER	
		1	Ch laud	- NU 63	124				0.1.	2 .A	Q	
201					134				0.1.4	4		
	DOTE PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE  SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I)  1. FOR THE PERIOD ENDING (CHECK ONE FILL IN YEAR)  2. PAGE  3-30- (YEAR) 12-31-3 (YEAR)  3-31- (YEAR) 15-30- (YEAR)  COMPLETED FOR EACH INDIVIDUAL SOURCE.  SECTION F - GENERATOR IDENTIFICATION (LIST THE SOURCE OF THE WASTE LISTED ON THIS PAGE)  GENERATOR'S NAME  4. IMPORTANT: IF THE WASTE IDENTIFIED ON THIS PAGE  PAGE WAS BOTH GENERATED AND MANAGED ON- SITE - CHECK THIS BOX  M D D D D B 1 8 9 0 6											
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	<u>-</u>	•		1					14.			
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	bath from electroplating	18	F. 0. 0. 7		14	14	P	•	2 0	1	1 0 4	<u>}</u>
2	7					•		١. ا	6:0		T:0 4	
_	Waste nickel solution				2,8	30	4	•	20	1	1 0 4	<u> </u>
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6		·						•		•		_
6									•	•		_

SECTION H - COMMENTS

Line 3 TO4: Precipitation, reduction, neutralization, fixation, oxidation, filtration, coagulation, and discharge to POTW.

Other TO4: Precipitation, reduction, neutralization, fixation, filtration, coagulation, and discharge to POTW.



MO 780-0408 (9-91)

MISSOURI DEPARTMENT OF HATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 178
JEFFERSON CITY, MISSOURI 65102

JEFFERSON CITY, MISSOURI 65102 (314) 751-3176 FACILITY SUMMARY REPOR

### FACILITY SUMMARY REPORT PART II

BEFORE COPYING F	ORM, ENTER	THE FACILITY	NAME !	AND
<b>IDENTIFICATION NUI</b>				

FACILITY NAME

McDonnell Douglas Corporation

ACILITYS EPA

M.O.D.O.O.O.8.1.8.9.6.3

FACILITY'S MISSOURI

R .R .0 .2 .6 .8

DNR HWF-1

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_	OTE PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE										
S	SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I)										
	1. FOR THE PERIOD ENDING (CHECK ONE & FILL		2. P	AGE	NOTE: SUMMARIZE TH						
	9-30- (YEAR) 12-31- 93 (Y	•	1_	12 <sub>OF</sub> 17	AND HOW IT WAS HAND						
÷.	3-31(YEAR)	EAR)	Value of the second	and the state of t	ON THIS PAGE. ADD				D TO BE		
 	ECTION F - GENERATOR IDENTIFI	CÁTIO		T THE COURCE	SEC. 1				strech = noo		
	GENERATOR'S NAME	CATIO			E WASTE IDENTIFIED ON THIS			C) R'S U.S.EPA I.D. I	MINGER		
				PAGE WAS BOTH G	ENERATED AND MANAGED ON	1					
	McDonnell Douglas Corporation SITE - CHECK THIS BOX M.O.D.O.O.O.O.O.O.O.O.O.O.O.O.O.O.O.O.O.										
. (	GENERATOR'S ADDRESS CITY STATE ZIP CODE 7. GENERATOR'S MISSOURI I.D. NUMBER										
	•	_					0	0.1.2.4	0 33		
	6951 North Hanley Rd., Ha					-		0.1.2.4	·3		
S	ECTION G - WASTE IDENTIFICATION	ON .		<b>的时间</b>	No. of the state of		1 1 1	1 1			
E	UMMARIZE THE AMOUNT OF WASTE	ROMT	HE ABC	OVE LISTED GENE	ERATOR AND HOW IT WAS HA		_				
1	DESCRIPTION	00T	ļ	A HAZARDOUS		12. UNIT	13.	14. HANG			
Y	OF WASTE	HAZARD		ASTE NUMBER	TOTAL AMOUNT OF WASTE	QF	SPECIFIC GRAYITY	CO			
<u> </u>		3000		0.715.0.0.0		HEAS.		INTERIM	FINAL		
1	Debris from aircraft	1 5		0· 7 F· 0· 0· 2 0· 3 F· 0· 0· 5	1,380	Р	.	S'0 1	T'0 3		
	servicing/painting Oil contaminated with	13		0·2 F· 0· 0·3	1,300	-	•	301	103		
2	chlorinated solvents	1 3	FO		490	Р		S' 0'1	T. 0.3		
	Alkaline sludge from	1	DO								
3	various process tanks	0 2			537	P		S'0 1	T' 0'4		
4	Alkaline from derusting		DO	0·2 D 0·08							
_	of metal parts	02			135	Р		S 0 1	T' 0'4		
5	Mold material from		DO								
	die-casting metals	0 2	• •		360	Р	•	S'0 1	T'0 4		
5					225	Р	.	s'o i	T 0 3		
	Tetrahydro-3				225	<u> </u>	•	3 0 1	103		
7											
							•				
3		١.						• •			
S	ECTION H - COMMENTS										
5											
	Lines 1 and 2 additional	final	hand	lling code:	T50						
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	and discharge to POTW.										
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	and and

P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102

(314) 751-3176

FACILITY SUMMARY REPORT 1994

BEFORE	COPYING	FORM,	ENTER	THE	FACILITY	NAME	AND
(DENTIF	<b>CATION N</b>	UMBERS	S AS SH	NWO	ON PART I		

McDonnell Douglas Corporation

M.O.D.O.O.O.8.1.8.9.6.3

	PART II			, ,	FACILI I.D. NU	TY'S MISSOURI IMBER	R.R.	0 ,2 ,	8, 6				
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S	ECTION E - REPORT IDENTIFICAT	ION (A	S SHOW	ON PA	ART I)		A 20 1.		, vertit		- (5. J.)	3. 2	ROV.
	1. FOR THE PERIOD ENDING (CHECK ONE & FILL	IN YEAR)	2. PAG			10.00	SUMMARIZE				ASTE	DECEIV	ED
	9-30- (YEAR) 12-31- 93		13	_ OF _17	,	AND HO	WIT WAS H	ANDLED F	ROM A	N INDI	VIDU	AL SOUR	CE
s	3-31(YEAR)	YEAR)		OF	-	ON THI	S PAGE.	<b>ADDITIO</b>	NAL P	AGES	NEE	D TO	BE
			1 10		14.	COMPLE	TED FOR EA	ACH INDIV	IDUAL	SOUR	CE.		-
S	ECTION F - GENERATOR IDENTIF	ICATIO	N (LÍST	HE SO	URCE	OF THE WAS	STE LISTE	D ON TH	S PAG	E)			
3. (	GENERATOR'S NAME		4. 1	MPORTANT	T: IF TH	IE WASTE IDENTIF	IED ON THIS		NERATO			NUMBER	30 J .
	MeDannell Develor Comme			HTE - CHEC	K THIS	ENERATED AND M	ANAGED ON-					897	•
	McDonnell Douglas Corpora	tion				<u> </u>	<b>&gt;</b> [		ט. ע. ט	U. U.	D T	891	7
5. (	GENERATOR'S ADDRESS	CITY				STATE	ZIP CODE	7. GE	NERATO	'S MISS	OURIL	. NUMBER	
	F77F Communa Division III 3			_				3.2			_	15.15	
	5775 Campus Pkwy., Hazelw	-						- 1.00 m	0	0.1	2.5	·1	
S	ECTION G - WASTE IDENTIFICATI	ON	1.5	1.1	A sale	To the state of the		4.0			-12.5		
(S	UMMARIZE THE AMOUNT OF WASTE		HE ABOVE		GENE	RATOR AND I	HOW IT WAS	SHANDLE	DATY	วบัส ร	ITE)		
L		3. 00T		10.		1	11.	12.	13.	14.	HANG	LUNG	
N	DESCRIPTION OF WASTE	HAZARO		IAZARDOUS			AMOUNT	UNIT	SPECIFIC		CO		
E		COOE	WA3	re number	'	0F W	VASTE	MEAS.	GRAVITY	INTE	RIM	FINAL	
4	Debris from aircraft		F · 0 · 0 ·	2 F · 0 ·	0.3								
_	servicing/painting	1 5	F. 0.0.	5 D·0·	0.7	2,7	60	P		S '0	1	TO	3
,	Ignitible solvents from		F · 0 · 0 ·	3 F · 0 ·	0.5								
_	painting/metal cleaning	8 0	D. 0.0.	1 0.0.	0.7	1,20	00	P		S '0	1	T'0 3	
2			D· 0· 0 ·	8 F · 0 ·	0.2								
•		1	D· 0·35							•	•	• •	
4	Oil contaminated with		F. 0.0.	2 F·0·	0.3					_			
	chlorinated solvents	1 3	F-0-0-	5 · ·	•	4,40	06	P		S '0	1	T '0 3	
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5						2011/25 (R.O							Ī
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P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102

FACILITY SUMMARY REPORT

BEFORE	COPYING	FORM,	ENTER	THE	<b>FACILITY</b>	NAME	AND
IDENTIFI	CATION N	JMBERS	S AS SH	NWO	ON PART I		

FACILITY NAME

McDonnell Douglas Corporation

M. O. D. O. O. O. 8.1.8.9.6.3

FACILITY'S MISSOURI 1.D. NUMBER

R.R.O.2.6.8

M	NOTE ► PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE									
	SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I)									
	1. FOR THE PERIOD ENDING (CHECK ONE & FILL II			PAGE		NOTE: SUMMARIZE TH	E AM	OUNT	OF WASTE	RECEIVED
	9-30(YEAR) 12-31-93(Y			14	17 T	AND HOW IT WAS HAND				
	3-31(YEAR)	EAR)	-		JF	ON THIS PAGE. ADD				D TO BE
7			71 20			COMPLETED FOR EACH				
	ECTION F - GENERATOR IDENTIFICATION (LIST THE SOURCE OF THE WASTE LISTED ON THIS PAGE)									
3. (	GENERATOR'S NAME					E WASTE IDENTIFIED ON THIS ENERATED AND MANAGED ON-	5. GE	NERATOR	'S U.S.EPA I.D. A	NUMBER
	McDonnell Douglas Corporate	tion			CHECK THIS E				0081	
<b>5</b> . (	GENERATOR'S ADDRESS	CITY				STATE ZIP CODE	7. GE	NERATOR	'S MISSOURI I.D	NUMBER
	5775 Campus Pkwy., Hazelw	ood,	MO 6	3042				0.	0.1.2.5	1
S	ECTION G - WASTE IDENTIFICATION	N						1.4		and a
้เร	UMMARIZE THE AMOUNT OF WASTE F	ROM T	HE AB	OVE L	ISTED GENE					8 1 Kg 25.
l	8.	<b>9</b> . Dot		10		11,	12. UNIT	13.	14. HAND	
N	DESCRIPTION OF WASTE	HAZARD		EPA HAZ WASTE I		TOTAL AMOUNT OF WASTE	0F	SPECIFIC GRAVITY	CO	. 1
E	01 117016	\$000				01 117012	MEAS.	UI U	INTERIM	FINAL
1	Coolant		0 0	9·8		5,720	P		s'0 1	T'0 4
2	Water-emulsified		D 0	9 8						
4	cutting oil		•	•		2,200	Р	•	S 0 1	T 0 4
3			•							
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S	ECTION H - COMMENTS					तरे हैं संगर्भ है रहा से अपने हैं।				12.5
15.										
	•									
	Line 1 TO4: Precipitation filtration, and discharge				neutral	ization, fixation, o	oagu	ilatio	n,	
	Line 2 T04: Recycling									
	Line 2 additional final h	andli	ing (	code:	T50				80	



P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102 (314) 751-3176

# FACILITY SUMMARY REPORT

	BEFORE	COPYING	FORM,	ENTER	THE	FACILITY	NAME	AND
1	IDENTIFI	<b>CATION N</b>	UMBERS	B AS SH	NWO	ON PART I	•	

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA ID NUMBER

MOD000818963

	PARTII	HEF	<b>4.11</b>	FACILITY I.D. NUMI	S MISSOURI	-R .O .	2 .6	.8	.: 1	C 1001
N	NOTE PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE									
_	ECTION E - REPORT IDENTIFICATI						體制	7		J. Carry
	1. FOR THE PERIOD ENDING (CHECK ONE & FILL		2. PAGE		NOTE: SUMM					
	9-30- (YEAR) 12-3193 (Y	•	15 OF 17	7	AND HOW IT W					
te.	3-31(YEAR)	EAR)			ON THIS PA					O IO BE
ر 1	ECTION F - GENERATOR IDENTIFI	CATIO	M (LIST THE SOL	URCE						
	SENERATOR'S NAME	CATIO	4. IMPORTANT	: IF THE	WASTE IDENTIFIED OF	t THIS			'S U.S.EPA I.D. I	NUMBER
	McDonnell Douglas Corpora	ation	SITE - CHEC		HERATED AND MANAGE	. ON-	M · C	0· Q· (	0081	8 9 4 8
6. (		CITY			STATE ZIP C	OOE	7. GE	NERATOR	'S MISSOURI I.	NUMBER
	Second & Morgan'Streets,	St. (	Charles, MO (	53301				0.	0.1.2.5	.3
S	ECTION G - WASTE DENTIFICATION				1. 1. 1. 1.		1	47.	402405	等
	UMMARIZE THE AMOUNT OF WASTE			GENER	RATOR AND HOW			100		
Ļ	<b>8.</b>	9. 00T	10.		11.	l	12. UNIT	13.	14. HAN	-
N	DESCRIPTION OF WASTE	HAZARD	EPA HAZARDOU WASTE NUMBEI		TOTAL AMOUN OF WASTE	π	OF	SPECIFIC GRAVITY		30
E	· · · · · · - · -	COOE		- 1			MEAS.	G/AVIII	INTERIM	FINAL
1	Debris from aircraft servicing/painting	1 '5	D. O. O. 7 F. O F. O. O. 3 F. O		6,210		P		S'0 1	T.0 3
_	Acid from chemical		D O O 2 D O	0.7						
2	conversion coating	0 2		• • •	42		Р		S. 0. 1	T' 0'4
3	Flammable/chlorinated solvents	0.8	D O O 1 D O		47		P	·	s'0 1	T'0 3
4			F. O. O. 2 F. O	0 ⋅ 5						
_	Oil contaminated with	-	F 0 0 1 F 0	0.2				•		
5	chlorinated solvents	1 3	1	4.0	490		P	•	S'0 1	T'0 3
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6	cutting oil				880		P	•	S'0 1	T 0 4
7				$\vdots$		1				
8			L							
e	ECTION H - COMMENTS	Series Visit	l							
15.				in Phintophotol			Mary Bloom			STATE OF THE PARTY
-	Lines 1,3,5,6 additional	final	handling co	de:	T50					
	Line 2 TO4: Precipitation fixation, and discharge t	n, re o POT	duction, neu	ıtrali	zation, filt	ration,	coa	gulat	ion,	
	_									
	Line 6 T04: Recycling					4				
						*				



MISSOURI DEPARTMENT OF NATURAL RESOURCES HAZARDOUS WASTE PROGRAM P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102 (314) 751-3178 FACILITY SUMMARY REPORT

FACILITY'S EPA

McDonnell Douglas Corporation

M.O.D.O.O.O.8.1.8,9.6.3

BEFORE COPYING FORM, ENTER THE FACILITY NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.

			1.6	NUMBER	SSOURI	R. R. O	<u>. 2</u> .	6.8		1 0 193-
OTE > PLEASE READ INSTRU	CTION	S AND EIT	HER PRIN	TORT	YPE				<del>-</del>	
ECTION E - REPORT IDENTIFICAT	TION LA	SHOWN	ON PAR			New Procession	4.			
1. FOR THE PERIOD BNOING (CHECK ONE & FILL	IN YEAR)	2. PAGE		100,000	NOTE: SUM	JADIZE TI		The state of the s	OF WAR	er in Light
9-30 (YEAR)	YEAR)		5. 17		NOTE: SUMA AND HOW IT V	NAC HANF	HE A	MOUNI	OF WAST	RECEIVE
3-31(YEAR)			5 <sub>0F</sub> 17		ON THIS P	AGE. ADI	DITIO	INAI E	NACES NE	IAL SOURCE
	in the second		TO SERVICE	SAMPLE OF	COMPLETED I	FOR FACH	יומאו	TALLOLV	SOURCE	ED IO RE
ECTION F - GENERATOR IDENTIF	ICATIO	N (LIST T	HE SOUR	CE OF T	HE WASTE	ICTED O	VI 57.0	IC DAG	COUNTED.	COVER STATE OF THE
GENERATOR'S NAME		11.4.110	PURTANT: H	F THE WAS	TË IDENTICIEN AI	M TURE	NIF	IS PAG	E)	
		1 20	GE WAS BOT	H GENERA!	TED AND MANAGE	ED ON	] 5. G	ENERATO	R'S U.S.EPA I.D	NUMBER
McDonnell Douglas Corpora	ation	311	IE - CHECK II	HIS BOX	L		м.	<b>Λ · D · </b> 0	.0 .0 .0	8 4 5 7
GENERATOR'S ADDRESS	CITY			STAT	710.0					
				317	TE ZIP C	ODE	7. G	ENERATO	R'S MISSOURI I	D. NUMBER
8900 Frost, Berkeley, MO	63134	1						n e	.0 .4 .2 .1	7
ECTION G - WASTE IDENT!FICATI	0010		11.						.0.1.2.1	
UMMARIZE THE AMOUNT OF WASTE	UN FROM T	HE ABOVE	LISTER	NEDATO						
t.	9.	IL ABOVE	10.	INCHAIC	JR AND HOW II.	IT WAS HA				
DESCRIPTION	001	1	ZARDOUS		***	_	12: UNIT	13.	14. HAN	OLING
OF WASTE	HAZARD		NUMBER		TOTAL AMOUN OF WASTE	ıτ	QF	SPECIFIC	C	OOE
0:3	COOL						MEAS.	GRAVITY	INTERIM	FINAL
Oil contaminated with		F·0·0·2		3						
chlorinated solvents	1 3	F · 0 · 0 · 5			4,895		Р		501	T 0 3
Debris from aircraft	١.	D. 0.0.2								1 0 0
servicing/painting	1 5	F: 0:0:3	F.0.0.	5	2,070		Р	:	S 0 1	T 0 3
Sulfuric acid with	١.	0.0.0.5	D. O. O.	7					<u> </u>	1 4 3
iron/nickel/cobalt	0 2				5.841	į.	D		S 0 1	T 0 4
Alkaline cleaning		D. 0.0.5	D.0.0.	7			-		3 0 1	104
solution	0 2				1.485		P		s o i	T 0 4
Flammable/chlorinated		0.0.0.1	D. O.O.	7					3 0 1	1 4
solvents	0.8	0.0.0.8			2.559		р		S 0 1	T 03
		F · 0 · 0 · 3	F-0-0-	5			_ F		3 11 1	1 0 3
	•			7						
Corrosive laboratory		D· 0· 0· 2						•		
chemicals	0 2			7	2,075		Р	.	S 0 1	T 0 3
Ignitible solvents from		D001/B0	7/0008	/	2,0/3		-		3 0 1	1 0 3
painting/metal cleaning	8 0	F002/F0			1,760		Р	. [	S O I	т о з
CTION H - COMMENTS	CE TOTAL S		7-7.000	7000	4,700	Activities to the second	Г	•	2 U I	1 0 3

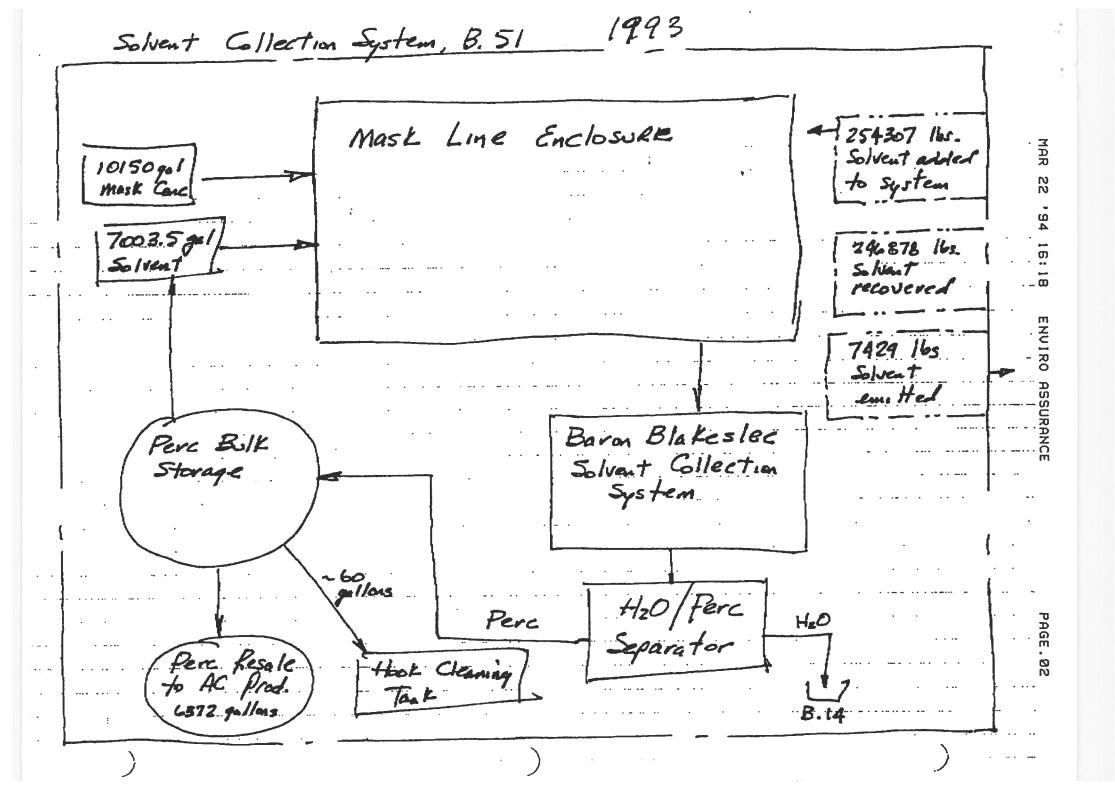
Lines 1,2,5,8 additional final handling code: T50

TO4; Precipitation, reduction, neutralization, fixation, coagulation, filtration, and discharge to POTW.

### sol inven-yr-end

SOLVENT EMISSIONS REPORT	DEPT. 151. CHEM-MILL	MASK LINE	Year 1993	
SOLAEIAI SIMISOICHO IISI OITI			M Of	7.
DATE: 22-Dec-93	Signatur	o: Bruce	11. Sky	<del>_</del>
I. Maskant Usage			1 0	
Maskant Deliveries (gailons):		Mask inventor		
Dates:		Total Full Liqui		13
6-Apr-93	3150	Total Full Liqui	a-bins this yr:	11
9-Aug-93	3150			
22-Nov-93	3150			
700	0.450			
- Total	9450			
Maskant Usage (Galions) = D	Deliveries + (bins last rep	ort - bins this re	eport)(350)	
H	Mask Usage this report		10150	galions
[2]	Solvent content of mas	k =	7003.5	gallons
II. Solvent Added to Masks	ant			
Mask Dilution		Viscosity Con	trol	
Present Meter Reading:	5215	Present Meter		233915
Previous Meter Reading:	5215	Previous Mete		222039
[3] Total Added =	0	[4] Total Add	ed =	11876
III. Solvent in Bulk Storage	: Tank	IV. Solvent	Drummed for l	Resale
December 1 and 1 a	285	Present Meter	Reading:	104870
Present Meter Reading: Previous Meter Reading:	205	Previous Mete	_	98498
[5] Net Change =	80	[6] Total Drui		6372
V. Total Mask and Solvent VI. Total Solvent Added to VII. Total Solvent Recovere	System = $[2] + [3] + [4]$ [8] * (13.47 lbs/gal) *	i] = [8] = • [9] = i] = [10] =	18879.0 254306.865 1832	
VIII. Overall Recovery Ef	ficiency = ([10]/[8])*[10	00] =	9	7 %
IX. Weight of Solvent/Vol	lume of Mask Applied	= ([9]/[11])/[7]	bs. solvent en	mitted/

Page 1



Stilens (a CHW)
McDennell Desyles Acrospece (Truct I)

STATE OF MISSOURI

Mel Camahan, Governor \* David A. Shorr, Director

### DEPARTMENT OF NATURAL RESOURCES

- DIVISION OF ENVIRONMENTAL QUALITY -P.O. Box 176 Jefferson City, MO 65102-0176

NOV15183

November 10, 1993

Mr. Joe Haake McDonnell Douglas Aerospace Environmental and Hazardous Materials Services Dept. 064C, Mail Code 1003377 P.O. Box 516 St. Louis, MO 63166-0516

Dear Mr. Haake:

In the enclosed copy of your letter, you ask whether containers of contaminated rags should be managed as satellite storage containers. In the interpretation of the Missouri Department of Natural Resources (MDNR), the regulations require the management of such containers as satellite storage areas.

Please feel free to contact the MDNR with any questions concerning interpretation of hazardous waste management regulations.

Sincerely,

HAZARDOUS WASTE PROGRAM

Tom Judge

Environmental Specialist

Enforcement Section

TJ/drs

NOV 15 83

;e

Enclosure

c: St. Louis Regional Office

Route:

### MCDONNELL DOUGLAS

McDonnell Douglas Aerospace

064C-2933 File 1/1

02 September 1993

Mr. Bruce Martin Missouri Department of Natural Resources Hazardous Waste Program P.O. Box 176 Jefferson City, Missouri 65102 SEP 5 1993

GAZAHIHI WASTI PHIBIAM
MATTHAL RESIDENCE

Dear Mr. Martin:

At the McDonnell Douglas facilities, rags and debris contaminated with paint and solvent are collected in 5, 10, 20, and 30 gallon containers located at work stations throughout the plant. The waste collected in these containers is placed into 1 and 2 cubic yard accumulation containers at the end of each work shift.

During a MDNR hazardous waste compliance inspection of our Tract IV facility in 1991, the inspector considered these small containers satellite accumulation containers that must be marked with the start date of waste accumulation. Because we use hundreds of these small collection containers, it is impossible to ensure proper dating.

During a recent MDNR inspection of our Tract I facility, another inspector indicated that the small collection containers are not considered satellite accumulation containers and need not be marked with accumulation start dates.

Please provide us with the Hazardous Waste Program position on small collection containers. Your immediate response will be appreciated.

Sincerely,

Joe Haake, Group Manager

Environmental and Hazardous Materials Services

Dept. 064C, Mail Code 1003377

314-232-3319

JH:dsq

EC: Joe Trunko, MDNR - SLRO